

Catalogue of the Diptera (Insecta) of Morocco— an annotated checklist, with distributions and a bibliography

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Abstract

The faunistic knowledge of the Diptera of Morocco recorded from 1787 to 2021 is summarized and updated in this first catalogue of Moroccan Diptera species. A total of 3057 species, classified into 948 genera and 93 families (21 Nematocera and 72 Brachycera), are listed. Taxa (superfamily, family, genus and species) have been updated according to current interpretations, based on reviews in the literature, the expertise of authors and contributors, and recently conducted fieldwork. Data to compile this catalogue were primarily gathered from the literature. In total, 1225 references were consulted and some information was also obtained from online databases. Each family was reviewed and the checklist updated by the respective taxon expert(s), including the number of species that can be expected for that family in Morocco. For each valid species, synonyms known to have been used for published records from Morocco are listed under the currently accepted name. Where available, distribution within Morocco is also included. One new combination is proposed: *Assuania melanoleuca* (Séguy, 1941), **comb. nov.** (Chloropidae).

Keywords

Bibliography, classification, gnats, midges, new combination, new records, taxonomy, true flies

Foreword

Almost everyone is now aware that there is a biodiversity crisis, and even the popular press regularly reports on general declines in the diversity of species as well as more specific threats to the distribution and abundance of species. Despite this growing awareness of the importance of biodiversity to the health of our planet and thus to the welfare of humankind, relatively little attention has been paid to the glaringly obvious point that it is impossible to objectively assess changes such as declines in diversity in the absence of baseline data and a good taxonomic infrastructure. In other words, if you don't know what you have to start with it is impossible to know what you are losing (or gaining). Recognition of invasions, extirpations, extinctions, range changes and changes in phenology all pivot on the documentation of what species occur in an area to begin with. Regional catalogues like this one provide both a baseline and a startling wake-up call; in this case with the announcements of 156 previously undocumented species, records of many hitherto unrecorded genera, and the first recognition of half a dozen families new to the country.

Documentation of the dipteran diversity of Morocco is of special significance both in terms of taxon and area. The taxon, Diptera or true flies, is one of the two or three largest orders of living things, with hundreds of thousands of undescribed species worldwide in addition to the approximately 160,000 currently named species. The Moroccan Diptera fauna is relatively well known compared to other parts of Africa, but nonetheless the current catalogue more than doubles the number of species known from the country as of the last inventories a couple of decades ago. This impressive advance in the documentation of Morocco's significant dipteran fauna is of course in part due to the great dedication and Herculean effort on the part of the lead author, Prof. Kettani. But, it is also a great credit to the community of dipterists who rallied to the cause by meticulously cataloguing their chosen families.

Approximately 33 of the 60 contributors are retired entomologists or amateur dipterists who volunteered their time to contribute to this work. Sadly, a few have passed away since they made their contribution. It is both impressive and worrisome that more than half of those 60 top experts on the taxonomy of the region's Diptera are retired or amateur, since there is a pressing and ongoing need for specialized expertise on all of the families of Diptera. Hopefully the framework, and the challenge, provided by this thorough description of our current state of knowledge of Moroccan flies will help and encourage new students of dipterology while at the same time providing a foundation for ongoing assessments of the dipteran diversity of North Africa.

I congratulate all involved for the production of such an important contribution to our understanding of the biodiversity of the region, and for the successful completion of the first full Diptera catalogue for any African country.

Stephen A. Marshall
Professor, University of Guelph, Canada
October 2020

Table of contents

Contributions	4
Introduction.....	4
Arrangement of the catalogue.....	17
Acknowledgements.....	19
Nematocera.....	20
Brachycera.....	162
References	364
Index by families	439
Index by genera.....	440
Index by species.....	447

Contributions

This catalogue was conceived by K. Kettani (KK) in 2011 and then further developed and planned together with Martin J. Ebejer (MJE). These plans included more fieldwork, predominantly by KK and MJE, with some contribution by students, carried out in 2012–2019, which resulted in about 1000 new species records for Morocco and 23 species (in 12 families) new to science. These records were published prior to the end of 2020 and the papers are included in the references and cited under the appropriate families. KK compiled the data and the preliminary list of species for each family. The taxonomic specialists (co-authors and contributors) revised any taxonomic issues, added data available to them and updated nomenclature. Contributors are thanked in the Acknowledgements, as well as mentioned in their sections of the checklist. The distributions of species in Morocco, with the appropriate citations, were added by KK. The introduction was written by KK and supplemented with additional information by MJE, who also checked the English language.

Introduction

Aims of the catalogue

Although the national study on biodiversity, *Etude nationale sur la biodiversité* (Dakki 1997; Mouna 1998), was the only important synthesis of entomological studies carried out in Morocco until now, important data on the Diptera are lacking. For example, no taxonomic rank such as subfamily and tribe, and no synonyms or revised generic combinations, names of museums or private collections that house species described from Morocco were included. No information was provided on the habitats and distribution of species in Morocco. Furthermore, the information resulting from

the national study on biodiversity is now outdated. A large number of important recent publications, cited appropriately under each family, provide much additional data to the lists published in 1997 and 1998, almost doubling the number of known species. The main aims of this catalogue are to bring together all this information by providing an up-to-date checklist according to the current nomenclature and systematics, to provide synonyms used in older literature that dealt with the Moroccan fauna and to give regional distribution data. Finally, an essential comprehensive bibliography is provided.

This catalogue is the first for a North African country and it may prove useful also for neighbouring countries. It is hoped that it will provide a sound foundation for anyone choosing to study a group of Moroccan Diptera. It could indicate where the greatest need for investigation lies, both with regard to areas of the country that have been poorly studied and taxonomic groups (or families) that may benefit from more attention. It is undoubtedly not a complete inventory and many more discoveries are expected.

The faunistic knowledge of the Diptera of Morocco from 1787 to 2021 is summarized and updated, providing the first catalogue of the Moroccan species of Diptera. In total, 3057 species (975 Nematocera and 2082 Brachycera) in 93 families, classified into 949 genera (250 in Nematocera and 699 in Brachycera) are listed (Tables 1, 2).

Table 1. Families of Nematocera with contributing specialists and numbers of taxa.

Family	Specialist(s)	Subfamilies	Genera	Species
Anisopodidae	Haenni	1	1	3
Bibionidae	Haenni	1	2	10
Blephariceridae	Zwick	1	1	4
Cecidomyiidae	Skuhrová & Skuhrový	3	31	57
Ceratopogonidae	Mathieu	3	6	62
Chaoboridae	Wagner	1	2	2
Chironomidae	-	7	100	412
Culicidae	Trari, Himmi & Dakki	2	7	43
Dixidae	Wagner	-	2	12
Keroplattidae	Chandler	1	2	2
Limoniidae	Oosterbroek	4	22	67
Mycetophilidae	Chandler	5	25	64
Pediciidae	Oosterbroek	1	2	6
Psychodidae	Wagner	2	12	51
Ptychopteridae	Wagner	1	1	5
Scatopsidae	Haenni	3	11	13
Sciaridae	Heller	-	12	70
Simuliidae	-	1	6	43
Thaumaleidae	Wagner	-	1	2
Tipulidae	Oosterbroek & de Jong	2	3	39
Trichoceridae	Krzemińska	1	1	8
			Total: 250	Total: 975

Table 2. Families of Brachycera with contributing specialists and numbers of taxa.

Family	Specialist(s)	Subfamilies	Genera	Species
Acroceridae	Nartshuk	2	6	13
Agromyzidae	Černý	2	12	62
Anthomyiidae	Ackland	2	14	36
Anthomyzidae	Ebejer	-	2	2
Asilidae	Tomasovic	9	42	131
Asteiidae	Ebejer	1	2	5
Atelestidae	Gatt	-	1	1
Athericidae	Mouna	1	1	2
Aulacigastridae	Ebejer	-	1	1
Bombyliidae	Ebejer & Dils	11	48	248
Braulidae	-	1	1	1
Calliphoridae	Rognes	5	5	8
Camillidae	Ebejer	-	1	4
Canacidae	Munari	2	3	15
Carnidae	Ebejer	-	1	3
Chamaemyiidae	Ebejer	2	5	18
Chloropidae	von Tschirnhaus & Ebejer	3	34	74
Chyromyidae	Ebejer	2	3	22
Clusiidae	Ebejer	-	1	1
Coelopidae	-	1	1	1
Conopidae	-	5	10	34
Cryptochetidae	Nartshuk	-	1	1
Diastatidae	Ebejer	2	2	2
Dolichopodidae	Grichanov & Negrobov	12	36	112
Drosophilidae	Bächli	2	9	26
Dryomyzidae	-	1	1	1
Empididae	Daugeron	3	8	40
Ephydriidae	Zatwarnicki	5	43	117
Fanniidae	Pont	-	1	10
Helcomyzidae	-	1	1	1
Heleomyzidae	Woźnica	3	5	19
Hippoboscidae	Droz	3	10	17
Hybotidae	Gatt	2	10	44
Lauxaniidae	Ebejer	2	8	27
Lonchaeidae	MacGowan	1	4	5
Lonchopteridae	Barták	1	1	4
Micropezidae	Ebejer	-	1	1
Milichiidae	-	3	6	8
Muscidae	Pont	6	25	115
Mydidae	Dikow	3	4	9
Mythicomyiidae	Evenhuis	4	6	8
Nemestrinidae	Barraclough	2	4	13
Nycteribiidae	Graciolli	1	4	8
Odiniidae	Ebejer	1	1	2
Oestridae	Pape	2	5	10

Family	Specialist(s)	Subfamilies	Genera	Species
Opomyzidae	-	-	2	5
Pallopteridae	Ebejer	-	1	1
Phoridae	Disney	-	2	3
Piophilidae	Ebejer	1	3	3
Pipunculidae	Ebejer	2	7	16
Platypezidae	Ebejer	1	3	3
Platystomatidae	Popov	1	2	4
Polleniidae	Rognes	-	1	12
Psilidae	Ebejer	-	1	1
Rhagionidae	Ebejer	1	1	4
Rhiniidae	Rognes	1	5	17
Rhinophoridae	Pape	1	6	8
Sarcophagidae	Whitmore & Pape	3	16	66
Scathophagidae	-	1	2	3
Scenopinidae	Carles-Tolrá	1	2	11
Sciomyzidae	Vala	1	12	25
Sepsidae	Haenni	1	4	12
Sphaeroceridae	Gatt	3	29	67
Stratiomyidae	Woodley	5	11	40
Streblidae	Graciolli	1	2	2
Syrphidae	Speight	2	50	166
Tabanidae	-	3	11	69
Tachinidae	Cerretti & Tschorsnig	4	88	147
Tephritidae	Norrbom	3	29	69
Therevidae	Hauser	2	9	27
Ulidiidae	Ebejer	2	8	13
Vermileonidae	Ebejer	1	2	6
			Total: 698	Total: 2082

Brief history of Moroccan dipterology

The study of Diptera in Morocco is still far from being extensive despite the numerous investigations that have taken place so far. Until now, a synthesis of Moroccan Diptera had never been produced. The studies that have been devoted to this group of insects have been limited and sporadic. They were mainly concerned with either taxonomy and descriptions of new species, or faunal studies from specific areas of Morocco with little reference to the habitats of species. This was particularly so for early works such as Becker and Stein (1913), Séguy (1930a, 1934b, 1935a, 1941a, 1941d, 1949a, 1953a), Timon-David (1951), Vaillant (1956b) and, recently, Pârvu et al. (2006), Popescu-Mirceni (2011), and Ebejer et al. (2019). Very few recent works have provided relevant ecological data (Cassar et al. 2005, 2008). Becker and Stein (1913) were the first to publish a list of Moroccan Diptera, at that time comprising only 204 species. Séguy followed

with a long series of valuable publications. In 1930 he produced his first list of Diptera, which included 471 species in 230 genera grouped into 37 families (Séguy 1930). Over the subsequent years, he contributed greatly to the knowledge of the Diptera of Morocco (Séguy 1926, 1934b, 1935a, 1941a, 1941d, 1949a, 1953a, 1957, 1961), where he also referenced an extensive bibliography. Later, Bailly-Choumara (1977) compiled a bibliography of Moroccan Diptera. It took until 1997–1998, with a national study on the biodiversity of Morocco co-ordinated by what was then the Ministry of the Environment, to update the list of the Moroccan insect fauna. This national study was dedicated to the compilation of the results of entomological research conducted in Morocco in order to highlight Moroccan biodiversity. It included a comprehensive inventory of published entomological research conducted in Morocco and was the last work to include a broad overview of Moroccan Diptera. It listed 623 species of aquatic Diptera in 210 genera and 25 families (Dakki 1997) and 928 species of terrestrial Diptera in 350 genera and 57 families (Mouna 1998).

Terrain and bioclimatic regions

Morocco, located in the westernmost corner of North Africa, constitutes a biogeographical crossroads between the Afrotropical and the western Palaearctic faunas, which may have allowed some exchange of genetic material. The country has a remarkable variety of bioclimates, ranging from humid in the Rif and the Middle and High Atlas to very arid in the Sahara in the south and to the sub-humid and semi-arid plains and foothills (Fig. 1). As a result of this diversity of landscapes and climates, there exists a great biological and ecological diversity in the country.

The geomorphological, orographic and bioclimatic diversity of the country is reflected in its seven distinct biogeographical areas: the Rif, the Atlantic Plain, Eastern Morocco, the Middle Atlas, the High Atlas, the Anti-Atlas and the Sahara. In the checklist, an abbreviated distribution (in bold) is given for each species according to these seven biogeographical areas (Fig. 2).

Rif: The Rif consists of a mountainous domain overlooking the Mediterranean Sea in the north of Morocco. It belongs to the Gibraltar Arc or Alborán Sea geological region, part of the Alpine orogenic belt, where the maximum altitude is 2,452 m in the Jbel Tidirrhine mountain range. The climate is mainly of the Mediterranean type and is characterised by high levels of precipitation. This domain is considered very rich and diverse in vegetation cover (Valdés et al. 2002), including nearly all of the Moroccan forest plant species (Médail and Quézel 1999) and integrating five bioclimatic stages.

Atlantic Plain (AP): Also known as the Moroccan Central Plateau, the Atlantic Plain is an ancient massif located in the northwest of Morocco, between the Atlantic coast and the Middle Atlas Mountains. It consists of a plateau surrounded by medium-altitude mountain massifs and covers an area of 8500 km². With an asymmetrical

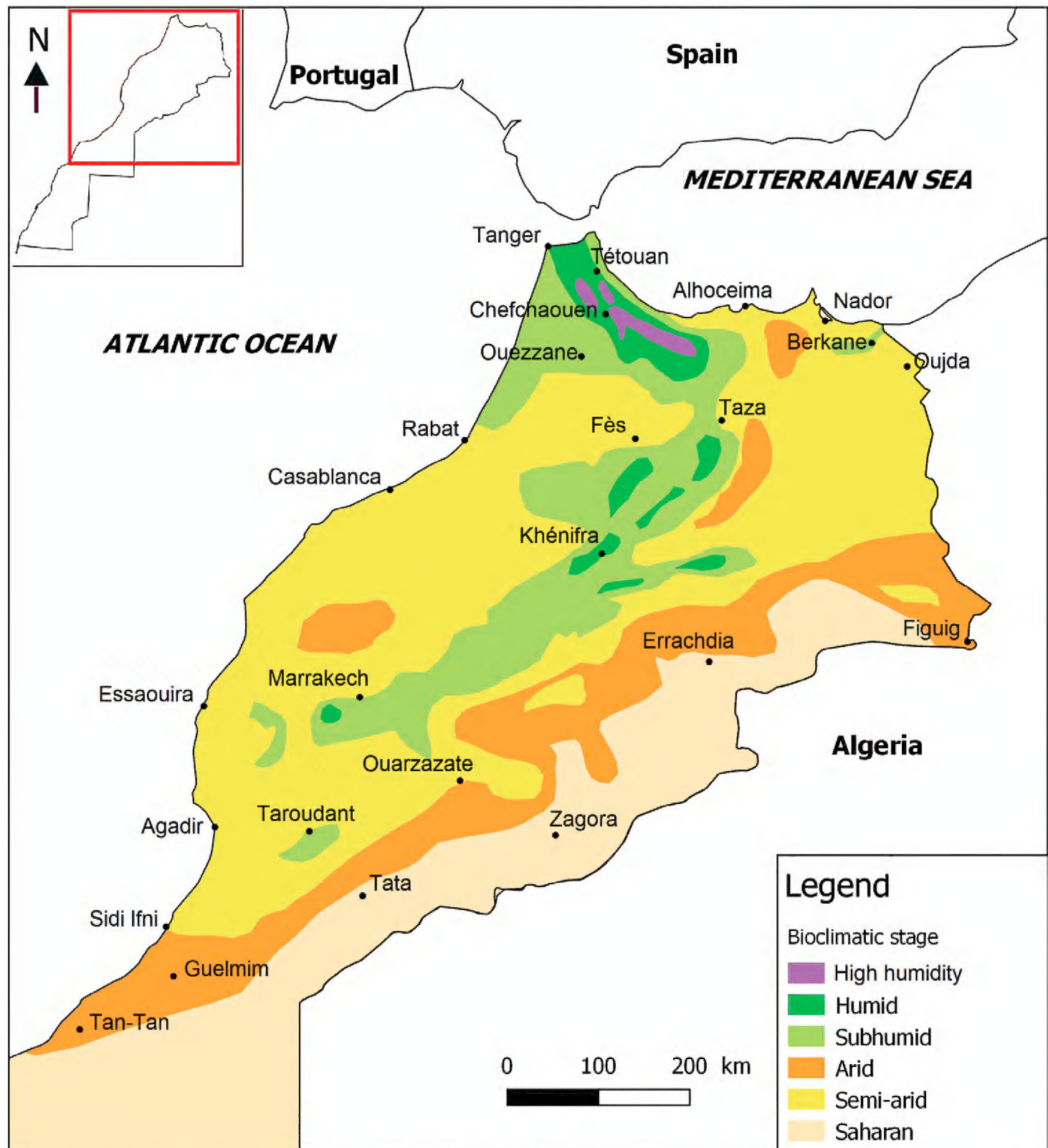


Figure 1. The major bioclimatic regions of the northern part of Morocco.

shape, the plateau culminates in the south-east at Jebel Mtourzgene (1627 m), located near the town of Oulmès. Its complex geomorphology presents tectonic troughs that have favoured the formation of lakes and rivers. The annual rainfall of this region, concentrated in winter and spring, totals an average of 500 mm, allowing the establishment of Holm Oak and Cork Oak forests in a semi-arid bioclimate (Piqué 1994). Towards the coast, the vegetation is mainly a steppe with Jujube shrubs and Dwarf Palms (*Chamaerops humilis*). The maritime fringe is underlined by cliffs and ancient consolidated dunes.

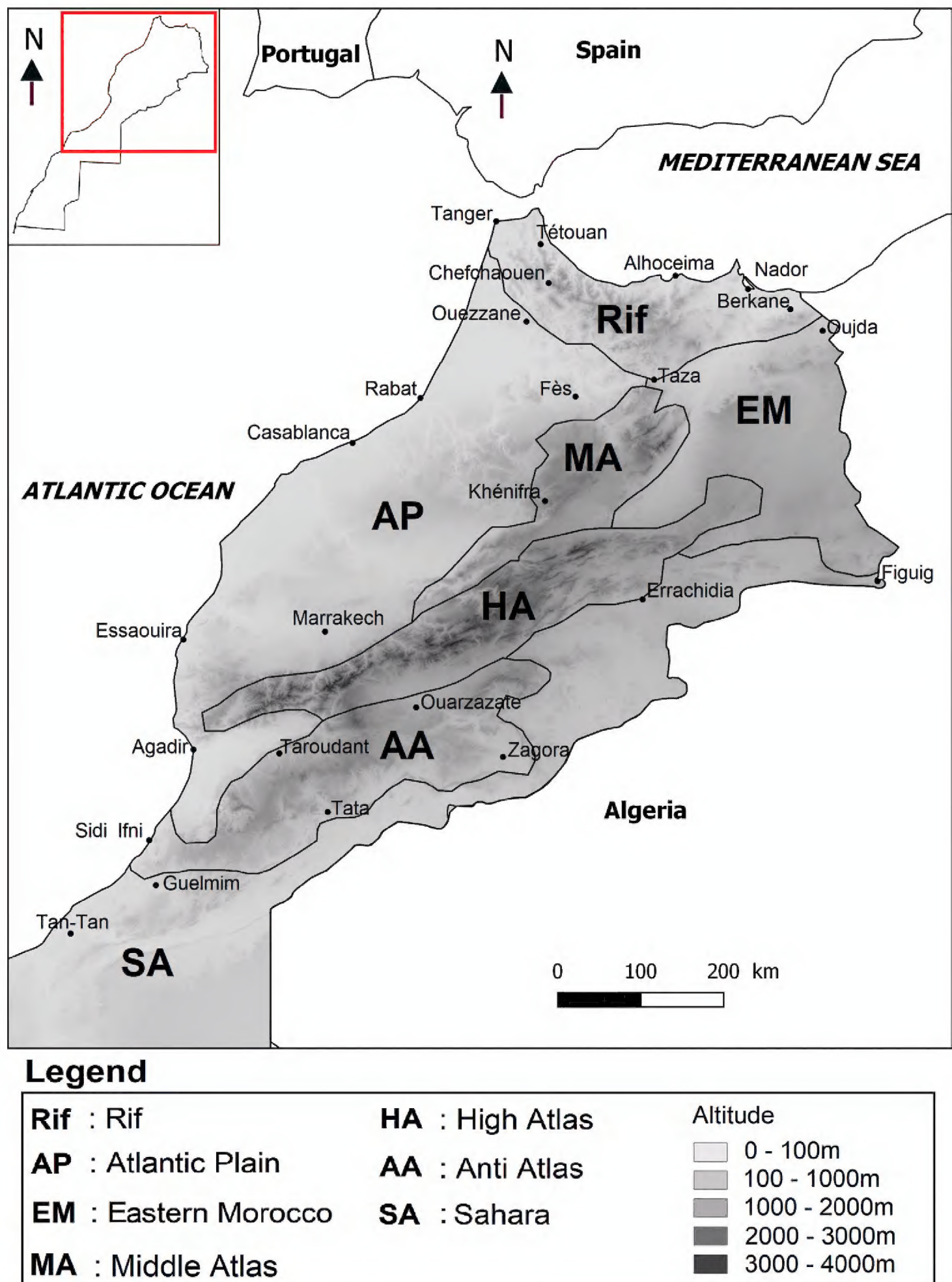


Figure 2. The seven biogeographical regions covering the studied area in the northern part of Morocco.

Eastern Morocco (EM): This is an arid region covering the Hauts Plateaux to the northeast of the country. It is the only region of Morocco subject to a true Mediterranean bioclimate, with some influence from the Sahara. The annual rainfall is less than 300 mm, encouraging the dominance of esparto steppe (*Stipa tenacissima*) (Piqué

1994). Its geomorphology is represented by a plateau at an altitude of 1000 m, which gradually decreases from 1500 to 500 m from the city of Midelt to the province of Guercif and is criss-crossed by the Moulouya wadi. In the northwestern part of Eastern Morocco is the Béni Snassen massif, beyond the Guercif depression.

Middle Atlas (MA): A mountainous massif located in the centre of Morocco, oriented from south-west to north-east and extending over 350 km (Piqué 1994). This mass of highlands is essentially composed of limestone layers, tabular and of medium altitude in the southwest (tabular Middle Atlas) and undulating in the northeast (folded Middle Atlas) to culminate at 3340 m at Jebel Bou Naceur, which overlooks the high plateaux of Eastern Morocco. The climate, generally subhumid to humid, is cold in winter, giving rise to cedar and Holm Oak forests covering the western slope, which is wetter than the eastern slope and where lakes are abundant and many rivers and streams have their source.

High Atlas (HA): The main mountainous massif of Morocco, oriented from west-south-west to east-north-east, is the High Atlas, stretching over more than 700 km from the Atlantic to the east of Morocco, with a north-south width of 50 to 100 km and reaching at Jebel Toubkal an altitude of 4165 m. The whole massif is high, incised by deep valleys that lead to passes through which the mountainous barrier is crossed: the Tizi-n'Test (2100 m) towards the Souss plain and the Tizi-n'Tichka (2200 m) towards the depression of Ouarzazate. The chain is formed by a massif of Palaeozoic rocks surrounded by sedimentary deposits. The relief of the High Atlas is divided into three different entities from west to east: the Western High Atlas, which is the oldest massif and is made up mainly of Jurassic or Cretaceous formations with deep valleys and culminates at Jebel Toubkal; the central High Atlas, which is an essentially limestone massif morphologically dominated by tabular zones culminating at an altitude of 2500 m, stretches between the towns of Azilal and Ouarzazate and is sheltered by the Jebel M'Goum (4071 m); and the Eastern High Atlas, which is formed by the vast high plateaux of the Upper Moulouya, stretches between the cities of Midelt and Imilchil and contains the Jebel Ayachi (3747 m) (Piqué 1994). The bioclimate of this area includes subhumid, humid and semi-arid zones, but with more than 800 mm of annual precipitation on the highest peaks and a significant snow cover from September to May, with temperatures dropping below -20 °C (AEFCS 1996) and bright sunshine even in winter. These climatic conditions have favoured large pine, Holm Oak, *Thuja* and thuriferous juniper forests (HCEFLCD 2017). The aridity of the southern slope of the High Atlas allows only steppe vegetation of sagebrush and esparto grass to grow.

Anti-Atlas (AA): This is the pre-Saharan area, which extends north of the Wadi Draa and rises to an average altitude of 2000 m. It is a semi-arid region with Jebel Bani and Jebel Ouarkziz as its main elevations, and is home to numerous oases. The western part of the Anti-Atlas is characterised by the Saharan plateau, with a temperate winter except in the high mountains. On the other hand, in the eastern part of the Anti-Atlas, the greatest arid area is marked by the northward extension of the Saharan landscape and a bioclimate of cool and temperate winters. These bioclimatic stages are characterised by plant communities such as wooded steppes with *Acacia raddiana*,

Table 3. Species richness of Diptera families each biogeographical region in Morocco. **Rif**; **AP** – Atlantic Plain; **EM** – Eastern Morocco; **MA** – Middle Atlas; **HA** – High Atlas; **AA** – Anti-Atlas; **SA** – Sahara.

* No precise localities known.

	Rif	AP	EM	MA	HA	AA	SA
Acroceridae	7	1	0	1	3	0	0
Agromyzidae	7	15	0	10	22	10	0
Anisopodidae *							
Anthomyiidae	4	12	0	13	2	4	1
Anthomyzidae	1	0	0	0	1	0	0
Asilidae	34	27	4	35	25	24	5
Asteiidae	0	3	0	0	1	1	0
Atelestidae	1	0	0	0	0	0	0
Athericidae	0	0	0	1	2	0	0
Aulacigastridae	1	0	0	0	0	0	0
Bibionidae	4	2	0	3	1	2	2
Blephariceridae	1	0	0	0	3	0	0
Bombyliidae	35	80	12	59	48	56	19
Braulidae *							
Calliphoridae	3	8	2	4	4	0	0
Camillidae	1	2	0	0	1	0	0
Canacidae	6	10	0	0	0	6	0
Carnidae	1	0	0	0	0	0	0
Cecidomyiidae	8	27	21	25	20	7	4
Ceratopogonidae	15	43	14	35	33	24	36
Chamaemyiidae	5	5	0	4	8	6	0
Chaoboridae *							
Chironomidae	230	30	7	105	120	14	1
Chloropidae	35	22	0	7	6	25	1
Chyromyidae	6	6	0	0	1	12	1
Clusiidae	1	0	0	0	0	0	0
Coelopidae	1	0	0	0	0	0	0
Conopidae	7	13	0	16	7	9	0
Cryptochetidae	0	0	0	1	0	0	0
Culicidae	32	41	24	30	29	22	11
Diastatidae	0	1	0	0	1	0	0
Dixidae	2	2	0	2	5	0	0
Dolichopodidae	72	28	3	6	18	26	0
Drosophilidae	11	14	0	8	12	5	1
Dryomyzidae	1	0	0	0	0	0	0
Empididae	4	3	0	13	20	1	0
Ephydriidae	47	44	1	60	9	20	1
Fanniidae	4	2	0	2	5	0	0
Helcomyzidae	1	0	0	0	0	0	0
Heleomyzidae	11	3	0	2	2	3	0
Hippoboscidae	0	2	3	4	4	4	1
Hybotidae	20	7	3	8	7	8	0
Keroplastidae	1	0	0	0	0	0	0
Lauxaniidae	23	3	2	1	8	2	0
Limoniidae	43	9	4	5	34	5	0

	Rif	AP	EM	MA	HA	AA	SA
Lonchaeidae	3	3	0	1	1	0	0
Lonchopteridae	0	0	0	1	1	0	0
Micropezidae	1	0	0	0	0	0	0
Milichiidae	2	1	0	0	4	3	1
Muscidae	25	47	13	38	68	20	6
Mycetophilidae	60	3	7	3	0	0	0
Mydidae	0	3	2	1	0	3	1
Mythicomyiidae	2	0	0	0	1	2	1
Nemestrinidae	1	1	1	5	3	0	1
Nycteribiidae	6	5	0	6	0	2	1
Odiniidae	1	0	0	0	0	0	0
Oestridae	0	2	1	1	1	0	1
Opomyzidae	1	1	0	1	2	0	0
Pallopteridae	0	0	0	1	0	0	0
Pediciidae	3	1	0	0	0	0	0
Phoridae	0	2	0	0	0	0	0
Piophilidae	2	1	0	1	1	0	0
Pipunculidae	13	1	0	0	0	0	0
Platypezidae	2	1	0	0	0	0	0
Platystomatidae	0	2	1	1	0	0	0
Polleniidae	1	4	2	5	5	1	1
Psilidae	1	0	0	1	0	0	0
Psychodidae	25	12	12	12	34	9	2
Ptychopteridae *							
Rhagionidae	2	0	0	0	2	0	0
Rhiniidae	2	5	3	5	0	5	4
Rhinophoridae	6	2	0	1	0	0	0
Sarcophagidae	11	19	1	13	8	9	2
Scathophagidae	3	1	0	1	0	0	0
Scatopsidae	10	2	0	0	1	3	0
Scenopinidae	3	4	1	1	0	0	1
Sciaridae	29	12	2	8	45	9	3
Sciomyzidae	8	4	2	11	18	3	0
Sepsidae	3	6	0	4	7	3	0
Simuliidae	32	8	0	19	32	6	0
Sphaeroceridae	42	3	2	10	1	3	3
Stratiomyidae	20	13	5	13	6	1	0
Streblidae	1	1	0	0	0	1	0
Syrphidae	70	49	11	82	64	25	4
Tabanidae	26	27	11	35	21	7	1
Tachinidae	18	27	4	46	43	29	3
Tephritidae	34	13	4	16	13	23	3
Thaumaleidae	0	0	0	0	2	0	0
Therevidae	9	7	2	9	4	5	2
Tipulidae	28	7	0	16	18	2	0
Trichoceridae	7	1	3	1	0	0	0
Ulidiidae	6	2	0	1	4	4	1
Vermileonidae	1	2	1	1	4	0	0
Total species	1126	770	191	831	876	474	126

Artemisia herba alba and *Stipa tenuissima*, interspersed with thuriferous juniper (*Juniperus thurifera*) at the top of the slopes (Piqué 1994). The vegetation is also represented by two formations that partially interpenetrate each other: groves of the Argan tree (*Argania spinosa*) and the *Euphorbia* steppe (*Euphorbia echinus*).

Sahara (SA): This area in the south of the country consists of a wide arid zone with a typical Saharan bioclimate of high daytime temperatures and very low precipitation. From a geological point of view it is part of the West African Craton and its margins. It is mainly ancient terrain with Precambrian basement rock and Palaeozoic cover (Piqué 1994). This area is represented by a peneplain of very modest altitudes from 200 to 500 m, established on ancient crystalline terrain. Precipitation from July to September is very low, of the order of 100 mm.

The dipteran species richness of each biogeographical region of Morocco is summarised in Table 3, which highlights the great disparity between the different regions and reflects the lack of knowledge about this insect order in some areas of Morocco. The Rif region in the north of the country has the greatest recorded diversity, but this undoubtedly reflects a greater sampling effort in this area, with large parts of the country still very poorly explored for Diptera. The catalogue does not include any data from the southern part of the Moroccan Sahara.

Sources of data

Data for the present study were gathered from the literature, supplemented by information taken from a number of websites. The cut-off date for inclusion of species published in the literature is 30 June 2021. Taxonomic, nomenclatural, and distributional data for the present catalogue were obtained from:

- studies by various foreign and Moroccan researchers published between 1787 and 2021, including theses, books, catalogues, checklists and notes from the 1997–1998 synthesis studies on Morocco's biodiversity.
- data from websites and organisations such as Global Species, the Global Biodiversity Information Facility, the BioSystematic Database of World Diptera, Systema Dipteriorum, Catalogue of Life, Systema Naturae 2000 and others, or from relevant homepages specific to particular families.
- the collection of Diptera in the National Museum of Morocco (Muséum National d'Histoire Naturelle à l'Institut Scientifique, Université Mohammed V, Rabat).
- collaboration with specialists who communicated reliable identifications from their personal collections or provided data for species deposited in foreign museums.
- published records of specimens in the personal collection of the lead author (PCKK), deposited at Abdelmalek Essaadi University, Tetouan, identified with the assistance of specialists.

Classification

The arrangement of families in this catalogue (Table 4) is mainly based on Pape et al. (2011) and Wiegmann et al. (2011). All families are listed alphabetically within each superfamily. Nomenclature follows the most recent version of Systema Dipterorum (Evenhuis and Pape 2021) and the Polleniidae are listed as a separate family (Gisondi et al. 2020).

Table 4. Diptera classification used in the catalogue.

Suborder NEMATOCERA	
Tipuloidea	Limoniidae
	Pediciidae
	Tipulidae
Trichoceridoidea	Trichoceridae
Psychodoidea	Psychodidae
Scatopsoidea	Scatopsidae
	Ptychopteridae
Culicoidea	Chaoboridae
	Culicidae
	Dixidae
Chironomoidea	Ceratopogonidae
	Chironomidae
	Simuliidae
	Thaumaleidae
	Blephariceridae
Bibionoidea	Anisopodidae
	Bibionidae
Sciaroidea	Cecidomyiidae
	Keroplastidae
	Mycetophilidae
	Sciaridae
Suborder BRACHYCERA	
Stratiomyoidea	Stratiomyidae
Tabanoidea	Athericidae
	Rhagionidae
	Tabanidae
	Vermileonidae
Nemestrinoidea	Acroceridae
	Nemestrinidae
Asiloidea	Asilidae
	Bombyliidae
	Mydidae
	Mythicomyiidae
	Scenopinidae
	Therevidae

Empidoidea	Atelestidae
	Empididae
	Dolichopodidae
	Hybotidae
Platypezoidea	Phoridae
	Platypezidae
	Lonchopteridae
Syrphoidea	Pipunculidae
	Syrphidae
Conopoidea	Conopidae
Nerioidea	Micropezidae
Tanypezoidea	Psilidae
Tephritoidea	Lonchaeidae
	Pallopteridae
	Piophilidae
	Platystomatidae
	Tephritidae
	Ulidiidae
Lauxanioidea	Chamaemyiidae
	Lauxaniidae
Sciomyzoidea	Coelopidae
	Dryomyzidae
	Helcomyzidae
	Sciomyzidae
	Sepsidae
Opomyzoidea	Agromyzidae
	Anthomyzidae
	Asteiidae
	Aulacigastridae
	Clusiidae
	Odiniidae
	Opomyzidae
Carnoidea	Canacidae
	Carnidae
	Chloropidae
	Milichiidae
Sphaeroceroidea	Chyromyidae
	Heleomyzidae
	Sphaeroceridae
Ephydroidea	Braulidae
	Camillidae
	Cryptochetidae
	Diastatidae
	Drosophilidae
	Ephydriidae
Hippoboscoidea	Hippoboscidae
	Nycteribiidae
	Streblidae
Muscoidea	Anthomyiidae
	Fanniidae

Muscoidea	Muscidae
	Scathophagidae
Oestroidea	Calliphoridae
	Oestridae
	Polleniidae
	Rhiniidae
	Rhinophoridae
	Sarcophagidae
	Tachinidae

Arrangement of the catalogue

The catalogue includes all names of taxonomically valid species of the Order Diptera so far known to occur in Morocco. For each family, synonyms and alternative combinations that have been published as records of Moroccan provenance are listed under the currently accepted name.

The transliteration of Moroccan place names in the literature, maps, and sometimes on data labels presented a small problem. Although it would have been preferable to use standard names, this would have meant changing some place names from their original spellings in the literature. Most transliteration used the French language for spelling and Roman letters, but not all. English was sometimes used, and occasionally also Spanish. Readers are therefore advised to take this into account when searching for place names given in the catalogue and in the cited references. Some common examples are “Jebel”, “Jbel”, “Djebel” or “Dj.”, used for “mountain”, or “Kbir” and “Kebir”, for “large” or “great”. The article “the” in Arabic is El or L; it is sometimes separated by a hyphen from its associated noun or joined to it, sometimes capitalised while the noun is not, both are capitalised, or only the noun is. When the article “el” is followed by a noun beginning with a certain consonant, like n, r, s and t, the l is changed to match the noun’s initial, for example “Er-Rifiyine”. In transliteration, Arabic speakers would make this change, whereas non-Arabic speakers may not. In cases where the article is joined to the noun, the resulting versions may appear as being different place names; for example, El Rachidia, Er Rachidia and Errachidia are alternative transliterations of the same place name. In some entries, the French terms “affluent” and “aval affluent” are left as in the original citation, because “tributary” may not be an accurate translation in all instances. For some of the sites, the French term refers to a downstream overflow of water into a side tributary or waterfall, whereas for others it refers to an actual tributary feeding into a main river or stream.

Older authors were imprecise with localities, and many references did not give the coordinates of localities from which species were collected. We could not reliably provide accurate coordinates for each species. Where known, species depositories are included. Individual family checklists may include, at the end, taxonomic notes and

comments on species doubtfully present in the country. New records are indicated with an asterisk (*) and the relevant data listed at the end of the family section.

Limitations

One of the major difficulties encountered while compiling the catalogue was the limited ability to check old identifications. In some cases, identifications were accepted as given in the original sources, even when doubtful, as it was usually not possible to re-examine specimens. The inaccessibility of some references was also an obstacle to updating the checklists for some families.

Collections cited

The following museums and collections house some of the specimens mentioned in this catalogue. The National Museum of Natural History of Morocco is located in the Institut Scientifique, Université Mohammed V, Rabat. However, the Diptera collection housed in that museum is not yet included in any world database such as the GBIF Registry of Scientific Collections, <https://www.gbif.org/grscicoll>, or the Insect and Spider collections of the World Website, <http://hbs.bishopmuseum.org/codens/>.

HNHM	Hungarian Natural History Museum, Budapest, Hungary;
INHS	Illinois Natural History Survey, Urbana, USA;
IRSNB	Institut Royal des Sciences Naturelles de Belgique, Brussels, Belgium;
MfN	Museum für Naturkunde, Berlin, Germany;
MHNN	Muséum d'Histoire Naturelle de Neuchâtel, Neuchâtel, Switzerland;
MISR	Museum National d'Histoire Naturelle à l'Institut Scientifique, Université Mohammed V, Rabat, Morocco;
MNCN	Museo Nacional de Ciencias Naturales, Madrid, Spain;
MNHN	Muséum National d'Histoire Naturelle, Paris, France;
NHMD	Natural History Museum of Denmark, Copenhagen, Denmark;
NHMUK	Natural History Museum, London, United Kingdom;
NMWC	National Museum of Wales, Cardiff, United Kingdom;
OUMNH	Oxford University Museum of Natural History, Oxford, United Kingdom;
RMNH	Rijksmuseum voor Natuurlijke Historie, Leiden, The Netherlands;
SMNS	Staatliches Museum für Naturkunde Stuttgart, Stuttgart, Germany;
ZMUM	Zoological Museum of Moscow University, Moscow, Russia;
ZMZ	Zoologisches Museum, Universität Zürich-Irche, Zürich, Switzerland;
ZSM	Zoologische Staatssammlung, Munich, Germany.

The personal collection of Dr Michael von Tschirnhaus has been donated to the ZSM, but is currently on loan to Dr von Tschirnhaus.

Other abbreviations

HT	Holotype;
NPH	National Park of Al Hoceima;
NPHAO	National Park of Haut Atlas Oriental;
NPI	National Park of Ifrane;
NPT	National Park of Talassemiane;
PCJD	Private Collection of Jos Dils, Belgium;
PCKK	Private Collection of Kawtar Kettani, Morocco;
PNPB	Project of Natural Park of Bouhachem.

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Suborder NEMATOCERA

Tipuloidea

LIMONIIDAE

K. Kettani, P. Oosterbroek

Number of species: **67**. Expected: 85

Faunistic knowledge of the family in Morocco: moderate

Chioneinae

***Baeoura* Alexander, 1924**

Baeoura ebenina Starý, 1981

Driauach and Belqat 2015, **Rif**, Oued Tazarine (Mezine village); Dayat near Aïn Afersiw; Driauach and Belqat 2016; Oosterbroek 2020 (CCW: **Rif**)

Baeoura staryi Driauach & Belqat, 2015

Driauach and Belqat 2015, **Rif**, Jnane Niche; Driauach and Belqat 2016; Oosterbroek 2020 (CCW: **Rif**)

***Cheilotrichia* Rossi, 1848**

Cheilotrichia (Empeda) cinerascens (Meigen, 1804)

Driauach et al. 2013, **Rif**, Ikadjouen; Driauach and Belqat 2016, **Rif**, Oued Ouara, Oued Amsa, Oued Maggou, Aïn Quanquben (Jebel Bou Bessoui), **EM**, Grotte du Chameau (Zegzel, Béni Snassen); Oosterbroek 2020 (CCW: **Rif**; **EM**)

Cheilotrichia (Empeda) fuscogalterata (Strobl, 1906)

Driauach and Belqat 2016, **Rif**, Dayat Fifi, tributary of Oued El Fondak, Barrage Ajras, Dayat Mghara, Oued Zarka, Oued Tizekhte; Oosterbroek 2020 (CCW: **Rif**)

Cheilotrichia (Empeda) minima (Strobl, 1898)

Driauach and Belqat 2016, **Rif**, Oued Zendoula, Oued Jnane Niche; Oosterbroek 2020 (CCW: **Rif**)

***Ellipteroides* Becker, 1907**

Ellipteroides (Ellipteroides) lateralis (Macquart, 1835)

= *Gonomyia lateralis* Macquart, in Pierre 1922a: 22, Dakki 1997: 62

= *Gonomyia cincta* Egger, in Séguy 1941a: 26

Pierre 1922a, **AP**, Dradek (near Rabat); Lackschewitz 1940a, **HA**, Tachdirt (2200–2900 m); Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m); Savchenko et al. 1992; Dakki 1997; Starý and Freidberg 2007; Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Dayat Afrate; Oosterbroek 2020 (CCW: **Rif**)

Ellipteroides (Protagonomyia) alboscuteatus (von Roser, 1840)

Lackschewitz 1940a, **HA**; Savchenko et al. 1992; Starý and Oosterbroek 2008; Starý 2009a; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Ellipteroides (Protophomyia) hutsoni (Starý, 1971)

Starý 1971, **HA**, Jebel Ayachi; Savchenko et al. 1992, **HA**, Jebel Ayachi; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Erioconopa* Starý, 1976Erioconopa diuturna* (Walker, 1848)

Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Dayat Jebel Zemzem, Oued Mezine, Aïn Bab Tariouant; Oosterbroek 2020 (CCW: **Rif**)

Erioconopa symplectoides (Kuntze, 1914)

= *Dactylolabis symplectoides* Egger, in Pierre 1922a: 23

Pierre 1922a, **HA**, Marrakech; Savchenko et al. 1992; Starý and Oosterbroek 2008, **HA**; Gavryushin pers. comm. 2012, **HA**; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW: **HA**)

Erioptera* Meigen, 1803Erioptera (Erioptera) fuscipennis* Meigen, 1818

Pierre 1922a, **AP**, Casablanca (Oued Guerera); Pierre 1922b, **HA**, Savchenko et al. 1992; Dakki 1997; Driauach et al. 2013, **Rif**, Sidi Brahim Ben Arrif (Bab Hachef Aissa); Driauach and Belqat 2016, **Rif**, Aïn El Ma Bared, Oued Amsemlil, Oued Maggou (Bridge), Oued Tkarae, Dayat near Aïn Afersiw, Aïn Afersiw, Oued Abou Bnar, Oued Maggou (Zaouiet El Habtiyne), Dayat Amsemlil, Dayat Aïn Jdioui; Dayat Afrate, Oued Mezine; Oosterbroek 2020 (CCW: **Rif, HA**)

Erioptera (Erioptera) lutea lutea Meigen, 1804

Driauach and Belqat 2016, **Rif**, Aïn Boughaba; Oosterbroek 2020 (CCW: **Rif**)

Erioptera (Erioptera) transmarina Bergroth, 1889

= *Mesocyphona transmarina* Bergroth, in Pierre 1922a: 22, Pierre 1922b: 148, Dakki 1997: 62

Pierre 1922a, **HA**, Marrakech; Pierre 1922b, **HA**, Tannaout (1000 m), Marrakech; Dakki 1997; Savchenko et al. 1992; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Gonomyia* Meigen, 1818Gonomyia (Gonomyia) abscondita* Lackschewitz, 1935

Driauach and Belqat 2016, **Rif**, maison forestière; Oosterbroek 2020 (CCW: **Rif**)

Gonomyia (Gonomyia) sicala Lackschewitz, 1940

Driauach and Belqat 2016, **Rif**, Oued Kbir, Dayat Jebel Zemzem, Aïn Sidi Brahim Ben Arrif, Dayat Tazia, Aïn El Maounzil; Oosterbroek 2020 (CCW: **Rif**)

Gonomyia (Gonomyia) subtenella Savchenko, 1972

Starý and Oosterbroek 2008, **HA**, Massif Toubkal, Aghbalou, 43 km S Marrakech (1000 m); Starý 2009a; Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Oued Jnane Niche, Oued Sidi Yahia Aârab, **EM**, Oued Béni Ouachekradi; Oosterbroek 2020 (CCW: **Rif, EM**)

Gonomyia (*Gonomyia*) *tenella* (Meigen, 1818)

Pierre 1924a, **HA**, Asni (1200 m); Séguy 1930a, **HA**, Asni; Savchenko et al. 1992; Dakki 1997; Starý 2009a; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Hoplolabis* Osten-Sacken, 1869Hoplolabis* (*Parilisia*) *obtusiapex* (Savchenko, 1982)

Starý 2006, **HA**, Oasis Meski, **AA**; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Hoplolabis (*Parilisia*) *punctigera* (Lackschewitz, 1940)

Starý 2006, **HA**, Oasis Meski, **AA**; Koçak and Kemal 2010; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Hoplolabis (*Parilisia*) *sororcula* (Lackschewitz, 1940)

Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Barrage Ajras, Oued Ouringa, Oued El Kanar, Oued Maggou; Oosterbroek 2020 (CCW: **Rif**)

Idiocera* Dale, 1842Idiocera* (*Euptilostena*) *jucunda* (Loew, 1873)

= *Gonomyia jucunda* Loew, in Pierre 1924a: 201, Séguy 1930a: 22

Pierre 1924a, **HA**, Asni (1200 m); Séguy 1930a, **HA**, Asni; Savchenko et al. 1992; Dakki 1997; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Idiocera (*Idiocera*) *ampullifera* (Starý, 1979)

Driauach and Belqat 2016, **AA**, Oued Zag; Oosterbroek 2020 (CCW: **AA**)

Idiocera (*Idiocera*) *pulchripennis* (Loew, 1856)

= *Gonomyia sexpunctata* Dale, in Pierre 1922b: 148

= *Gonomyia pulchripennis* (Loew), in Dakki 1997: 62

Pierre 1922b, **AP**, Atlantic coast; Ramdani 1981, **AP**, Merja Sidi Boughaba; Savchenko et al. 1992; Dakki 1997; Koçak and Kemal 2010; Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Oued Jnane Niche, Oued Aârkoub, Aïn Jdioui; Oosterbroek 2020 (CCW)

Idiocera (*Idiocera*) *sziladyi* (Lackschewitz, 1940)

Driauach and Belqat 2016, **Rif**, Oued Zarka; Oosterbroek 2020 (CCW: **Rif**)

Ilisia* Rondani, 1856Ilisia* *maculata* (Meigen, 1804)

Driauach and Belqat 2016, **Rif**, Oued Maggou, **EM**, Oued Tafoughalt; Oosterbroek 2020 (CCW: **Rif**; **EM**)

Molophilus* Curtis, 1833Molophilus* (*Molophilus*) *ibericus* Starý, 2011

Starý 2011, **HA**; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Molophilus (*Molophilus*) *obscurus* (Meigen, 1818)

Starý and Oosterbroek 2008, **HA**, Massif Toubkal, Oukaïmeden, 2500–2800 m; Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, tributary

of Oued Ouara, tributary of Oued Maggou, Dayat El Ânassar, Dayat Jebel Zemzem, Aïn El Ma Bared, Dayat Rmali, Oued Amsemlil, Aïn Mâaze, Dayat Afrate, Dayat Lemtahane; Oosterbroek 2020 (CCW: **Rif**)

Molophilus (Molophilus) propinquus propinquus (Egger, 1863)

Savchenko et al. 1992; Starý and Oosterbroek 2008, **HA**, Oukaimeden (2500–2800 m); Starý 2011; Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Oued Ouara, Oued Farda, tributary of Oued Taida, Oued Maggou; Oosterbroek 2020 (CCW: **Rif**)

Molophilus (Molophilus) testaceus Lackschewitz, 1940

Driauach and Belqat 2016, **Rif**, Dayat Amsemlil, Dayat Lemtahane, Marj El kheyl, Oued Tkarae, Dayat near Aïn Afersiw, Dayat Mezine, Dayat Tazia, Dayat Rmali, Dayat Amsemlil, Dayat near Aïn Afersiw; Oosterbroek 2020 (CCW: **Rif**)

***Symplecta* Meigen, 1830**

Symplecta (Symplecta) grata Loew, 1873

Ebejer et al. 2020, **Rif**, Aïn Jdioui (Tahaddart, 8 m)

Symplecta (Symplecta) hybrida (Meigen, 1804)

Lackschewitz 1940a, **HA**, Goundafa (1200 m); Séguy 1941a, **HA**, Taroudant; Savchenko et al. 1992; Oosterbroek et al. 2007; Koçak and Kemal 2010; Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Barrage Ajras, Oued El Kanar, Oued Aârkoub, Oued Jnane Niche, **MA**, Barrage Allal El Fassi; Oosterbroek 2020 (CCW: **Rif**; **MA**)

Symplecta (Trimicra) pilipes (Fabricius, 1787)

= *Trimicra pilipes* Fabricius, in Pierre 1922a: 23

= *Trimicra andalusiaca* Strobl, in Pierre 1922b: 149

= *Trimicra hirsutipes* Macquart, in Séguy 1930a: 22

Pierre 1922a, **AP**, Dradek (near Rabat), **HA**, Marrakech; Pierre 1922b, **MA**, Volubilis, **HA**, Oued Tensift; Séguy 1930a; Séguy 1941d, **AA**, Taroudant; Savchenko et al. 1992; Dakki 1997; Pârvu and Zaharia 2007; Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, tributary of Oued Hachef, Oued Aârkob, Oued El Kanar, Oued Mezine, **AP**, Aïn Chouk (Larache); Oosterbroek 2020 (CCW: **Rif**)

Tasiocera (Dasymolophilus) murina (Meigen, 1818)

Driauach and Belqat 2016, **Rif**, Oued Farda, Oued Amsemlil; Oosterbroek 2020 (CCW: **Rif**)

Dactylolabinae

***Dactylolabis* Osten-Sacken, 1860**

Dactylolabis (Dactylolabis) symplectoidea Egger, 1863

Pierre 1922a, **AP**, Around Casablanca (coastal meseta); Savchenko et al. 1992; Dakki 1997; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Limnophilinae

Austrolimnophila* Alexander, 1920Austrolimnophila* (*Austrolimnophila*) *latistyla* Starý, 1977Driauach and Belqat 2016, **Rif**, Oued Maggou; Oosterbroek 2020 (CCW: **Rif**)***Dicranophragma* Osten-Sacken, 1860***Dicranophragma* (*Brachylimnophila*) *adjunctum* (Walker, 1848)= *Neolimnomyia adjuncta* (Walker, 1848), in Pârvu et al. 2006: 273Pârvu et al. 2006, **AP**, Merja Zerga; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)*Dicranophragma* (*Brachylimnophila*) *nemorale* (Meigen, 1818)Lackschewitz 1940b, **HA**, Tachdirt (2200–2700 m); Savchenko et al. 1992; Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Aïn Sidi Brahim Ben Arrif, tributary Oued Ouara, Oued Maggou; Oosterbroek 2020 (CCW: **Rif**)***Eloeophila* Rondani, 1856***Eloeophila maroccana* Starý, 2009Starý 2009b, **HA**, Okaïmeden (2500–2800 m); Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)***Euphylidorea* Alexander, 1972***Euphylidorea* (*Euphylidorea*) *crocotula* (Séguy, 1941)= *Phylidorea crocotula* (Séguy), in Séguy 1941a: 28Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m); Savchenko et al. 1992, **HA**, Tachdirt (Toubkal); Starý and Oosterbroek 2008, **HA**, Oukaïmeden (2500 m–2800 m), Imlil (1400 m); Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Aïn Bab Tariouant; Oosterbroek 2020 (CCW: **Rif**; **HA**)*Euphylidorea* (*Euphylidorea*) *dispar* (Meigen, 1818)Driauach and Belqat 2016, **Rif**, Oued at 15 km from Fifi; Oosterbroek 2020 (CCW: **Rif**)*Euphylidorea* (*Euphylidorea*) *lineola* (Meigen, 1804)Lackschewitz 1940b, **HA**; Savchenko et al. 1992; Starý and Freidberg 2007; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)***Hexatoma* Latreille, 1809***Hexatoma* (*Hexatoma*) *bicolor* (Meigen, 1818)Driauach and Belqat 2016, **Rif**, Oued at 15 km from Fifi, tributary of Oued Ouara, Oued Madissouka, Oued Maggou, Aïn Quanquben (Jebel Bou Besoui), Oued Tkarrae, Oued Tamerte; Oosterbroek 2020 (CCW: **Rif**)*Hexatoma* (*Hexatoma*) *gaedii* (Meigen, 1830)Lackschewitz 1940b, **HA**, Tachdirt (2200 m–2700 m); Savchenko et al. 1992; Starý and Freidberg 2007; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW: **HA**)

Pseudolimnophila* Alexander, 1919Pseudolimnophila* (*Pseudolimnophila*) *sepium* (Verrall, 1886)

Driauach et al. 2013, **Rif**, Guelta Tazia; Driauach and Belqat 2016, **Rif**, Dayat Tazia, Aïn Sidi Brahim Ben Arrif, Aïn Afersiw, Oued Maggou, Dayat Tazia, Oued Taida, Aïn Sidi Brahim Ben Arrif; Oosterbroek 2020 (CCW: **Rif**)

Limoniinae

Dicranomyia* Stephens, 1829Dicranomyia* (*Dicranomyia*) *affinis* (Schummel, 1829)

Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Oued Amsemlil, Dayat Lemtahane, Oued Tkarae, Marj El Kheyl, Aïn Sidi Brahim Ben Arrif, Dayat Tazia, Aïn El Maounzil, Aïn El Malâab, Dayat near Aïn Afersiw, Aïn Bab Tariouant; Oosterbroek 2020 (CCW: **Rif**)

Dicranomyia (*Dicranomyia*) *chorea* (Meigen, 1818)

Pierre 1922b, **HA**, Haute Réghaya, Tannaout, Asni (1000 m–1250 m); Savchenko et al. 1992; Dakki 1997; Starý and Freidberg 2007; Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Oued Farda, Oued Kelâa, Aïn Ras el Ma, Oued Jnane Niche, Cascade Chrafate, maison forestière, Oued El Kanar, tributary of Oued Zarka, **HA**, Oued Sidi Fares (National Park of Toubkal); Oosterbroek 2020 (CCW: **Rif**; **HA**)

Dicranomyia (*Dicranomyia*) *didyma* (Meigen, 1804)

Pierre 1922b, **HA**, Haute Réghaya (2000 m); Dakki 1997; Savchenko et al. 1992; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW: **HA**)

Dicranomyia (*Dicranomyia*) *goritiensis* (Mik, 1864)

Lackschewitz 1940b; Vaillant 1956b; Savchenko et al. 1992; Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Oued Maggou, Cascade Chrafate, Oued El Kouba, Cascade Zarka, Âounsar Aheramen, maison forestière; Oosterbroek 2020 (CCW: **Rif**)

Dicranomyia (*Dicranomyia*) *longicollis* (Macquart, 1846)

= *Telecephala longicollis* (Macquart), in Pierre 1922a: 21, Pierre 1922b: 148, Séguy 1930a: 22

Séguy 1930a, **AP**, Dradek (near Rabat); Dakki 1997; Pierre 1922a, **AP**, Dradek, **HA**, Marrakech; Pierre 1922b, **AP**, Rabat; Savchenko et al. 1992; Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Oued Aârate, Barrage Moulay Bouchta, Oued Kbir, **MA**, Barrage Allal El Fassi; Oosterbroek 2020 (CCW)

Dicranomyia (*Dicranomyia*) *mitis* (Meigen, 1830)

= *Dicranomyia hygropetrica* Vaillant, in Vaillant 1956b: 42

Vaillant 1956b, **HA**, Asif Tessaout (M'Goum), Izourar, Tahanaout, Tamesrit, Imi-N'Ifri, Aguelmous, Sidi Chamarouch, Lac Tamhda (Anremer), Oukaime-

den; Savchenko et al. 1992; Pârvu et al. 2006, **AA**, near Agadir, Souss plain to High Atlas occidental; Pârvu and Zaharia 2007; Gavryushin pers. comm. 2012, **HA**; Driauach et al. 2013, **Rif**, Tazia, Tisgris; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Dicranomyia (Dicranomyia) modesta (Meigen, 1818)

Driauach and Belqat 2016, **Rif**, Oued Farda, Oued El Kanar, Oued Jnane Niche, Oued Sidi Yahia Aârab; Oosterbroek 2020 (CCW: **Rif**)

Dicranomyia (Dicranomyia) novemmaculata (Strobl, 1906)

Driauach and Belqat 2016, **Rif**, tributary of Oued el Fondak, Oued Aârate; Oosterbroek 2020 (CCW: **Rif**)

Dicranomyia (Dicranomyia) ventralis (Schummel, 1829)

Driauach and Belqat 2016, **Rif**, Lake Badriouen; Oosterbroek 2020 (CCW: **Rif**)

Dicranomyia (Glochina) sericata (Meigen, 1830)

Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Dicranomyia (Melanolimonina) hamata Becker, 1908

Driauach and Belqat 2016, **Rif**, tributary of Oued Kbir, Oued Aârate, Aïn Sidi Brahim Ben Arrif, Dayat Tazia; Oosterbroek 2020 (CCW: **Rif**)

Dicranomyia (Melanolimonina) morio (Fabricius, 1787)

= *Limonia pauliani* Séguy, in Séguy 1941a: 26

Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m); Savchenko et al. 1992, **HA**, Tachdirt (Toubkal); Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Seguia Lemtahane, Dayat near Aïn Afersiw, Dayat Jebel Zemzem; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Dicranomyia majuscula Pierre, 1924¹

Pierre 1924a, **HA**, Haut Imminen (2400 m); Séguy 1930a, **HA**, Haut Imminen; Dakki 1997; Savchenko et al. 1992, **HA**, Haut Imminen; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

***Dicranoptycha* Osten-Sacken, 1860**

Dicranoptycha fuscescens (Schummel, 1829)

Eiroa 2000, **Rif**; Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Oued Mlilah, Oued Zendoula, **AP**, Oued Loukous; Oosterbroek 2020 (CCW)

***Geranomyia* Haliday, 1833**

Geranomyia caloptera (Mik, 1867)

Driauach et al. 2013, **HA**, Setti Fatma; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Geranomyia obscura Strobl, 1900

Vaillant 1956b, **HA**, Lac Tamhda (Anremar), Oukaïmeden, Izourar, Sidi Chamarouch, Tamesrit; Savchenko et al. 1992; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW: **HA**)

1 *Dicranomyia majuscula* Pierre, is a doubtful species of which the identity is not known. There is only one record, from Pierre 1924a, all other citations come from this record.

Helius* Lepeletier & Serville, 1828Helius* (*Helius*) *hispanicus* Lackschewitz, 1928

Starý and Oosterbroek 2008, **HA**, Massif Toubkal, Imlil (17 km S Asni, 1700–1900 m); Driauach et al. 2013; Driauach and Belqat 2016, **Rif**, Oued Amsem-lil; Oosterbroek 2020 (CCW: **Rif**)

Helius (*Helius*) *pallirostris* Edwards, 1921

Driauach and Belqat 2016, **AP**, Aïn Chouk (Larache); Oosterbroek 2020 (CCW: **Rif**)

Limonia* Meigen, 1803Limonia flavipes* (Fabricius, 1787)

Pierre 1922b, **HA**, Haute Réghaya, Asni (1250 m); Savchenko et al. 1992; Dakki 1997; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Limonia hercegovinae (Strobl, 1898)

Starý and Oosterbroek 2008, **MA**, Ifrane (1700 m), **HA**; Gavryushin pers. comm. 2012, **HA**; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW: **HA**)

Limonia macrostigma (Schummel, 1829)

Starý and Oosterbroek 2008, **HA**, 5 km from Oukaimeden (2350 m); Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Limonia nubeculosa Meigen, 1804

Pierre 1922b, **HA**, Haute Réghaya, Asni (1250 m); Savchenko et al. 1992; Dakki 1997; Gavryushin pers. comm. 2012, **HA**; Driauach and Belqat 2016, **Rif**, tributary of Oued El Fondak, Aïn Ras el Ma, Aïn Boughaba, Âounsar Aheramen, Aïn Takhninjoute, maison forestière, Oued Madissouka, Aïn Quanquben (Jebel Bou Bessoui), **EM**, Oued Azila; Oosterbroek 2020 (CCW: **Rif**; **HA**)

Limonia phragmitidis (Schränk, 1781)

Starý and Oosterbroek 2008, **MA**, Ifrane (1700 m); Driauach and Belqat 2016, **Rif**, Aïn Quanquben (Jebel Bou Bessoui); Oosterbroek 2020 (CCW)

PEDICIIDAE

K. Kettani, P. Oosterbroek

Number of species: **6**. Expected: 10

Faunistic knowledge of the family in Morocco: moderate

Pediciinae

Dicranota* Zetterstedt, 1838Dicranota* (*Dicranota*) *bimaculata* (Schummel, 1829)

Pierre 1922b, **HA**, Haute Réghaya (1800 m); Savchenko et al. 1992 (? Morocco); Dakki 1997; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Dicranota (*Dicranota*) *irregularis* Pierre, 1921

Pierre 1922b, **HA**, Haute Réghaya (1800 m); Savchenko et al. 1992, **HA**, Cirque d'Arround (Haute Réghaya); Dakki 1997; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Dicranota (*Ludicia*) *claripennis* (Verrall, 1888)

Driauach and Belqat 2016, **Rif**, Oued Amsemlil, maison forestière; Oosterbroek 2020 (CCW)

Dicranota (*Paradicranota*) *candelisequa* Starý, 1981

Pârvu et al. 2006, **AP**, Merja Zerga; Driauach et al. 2013; Driauach and Belqat 2016; Oosterbroek 2020 (CCW)

Dicranota (*Paradicranota*) *landrocki* Czižek, 1931

Driauach et al. 2013, **Rif**, Fifi (1252 m); Driauach and Belqat 2016, **Rif**, Oued Ouara, Oued Taida, Aïn Sidi Brahim Ben Arrif, Âounsar Aheramen, Oued Tizekhte, Oued Mezine, maison forestière, Aïn Bab Tariouant, **HA**, Imlil (Assif Haouz); Oosterbroek 2020 (CCW)

Tricyphona* Zetterstedt, 1838Tricyphona* (*Tricyphona*) *immaculata* (Meigen, 1804)

Driauach and Belqat 2016, **Rif**, maison forestière, Dayat Lemtahane; Oosterbroek 2020 (CCW)

TIPULIDAE

K. Kettani, P. Oosterbroek, H. de Jong

Number of species: **39**. Expected: 42

Faunistic knowledge of the family in Morocco: moderate

Dolichopezinae

Dolichopeza* Curtis, 1825Dolichopeza* (*Dolichopeza*) *hispanica* Mannheims, 1951

Theowald and Oosterbroek 1980, **HA**, Aghbalou, Oukaïmeden, Imlil, Tadmant; Oosterbroek and Theowald 1992; Oosterbroek and Lantsov 2011, **HA**, Oukaïmeden (2300 m), Aghbalou (Massif Toubkal), 43 km S Marrakech (1000 m), Imlil (17 km S Asni, 1700–1900 m), Tadmant (17 km E Asni); Adghir et al. 2018, **Rif**, Kitane, Aïn Ras el Ma (Chefchaouen); Oosterbroek 2020 (CCW)

Tipulinae

Nephrotoma* Meigen, 1803Nephrotoma* *alluaudi* (Pierre, 1922)

= *Pachyrhina lunulicornis* Schummel, in Pierre 1922a: 24

= *Pachyrhina alluaudi* Pierre, in Pierre 1922b: 150, Dakki 1997: 62

= *Pales alluaudi* (Pierre), in Mannheims 1951: 47

Pierre 1922b, **HA**, Tannaout (1000 m); Mannheims 1951, **Rif**, Beni Seddat, **AP**, Lagune Guedira; **HA**, Taddert north of Marrakech, Goundafa (1200 m); **AA**, Llano Amarillo, Tlata Reisana; Oosterbroek 1979b, **Rif**, **HA**, Imlil (1400 m), Tizi-n'Tichka (2200 m); Theowald and Oosterbroek 1980, **AP**, Rabat, Guedira lagoon, **MA**, Immouzer, Ifrane, Timahdit, Aghbalou, Tizi-n'Zou, **HA**, Marrakech, Goundafa, Taddert, Dayat, Tizi-n'Test, Tizi-n'Tichka, Asni, Imlil, Oukaïmeden, Setti Fatma, Tinmel, Acif Tifni, **AA**, Taroudant, Mikdana, Sidi Said bou Merdoul, Tlata Reisana, Llano Amarillo; Eiroa 1990, **MA**, Azrou, Ajabo; Oosterbroek and Theowald 1992, **HA**, Tannaout; Dakki 1997; Mouna 1998; Adghir et al. 2018, **Rif**, Ras el Ma (Chefchaouen), Oued Laou, Dardara, Douar Mouarâa, Oued Zandoula, Laghmari-Rmal, Douar Louamera, Douar Laheyayda, Oued Jnane Niche, Cabo Negro, Oued Beni Said, Oued El Kanar, Oued Amsemlil; Oosterbroek 2020 (CCW) – MISR (**HA**), MHNV, MNCNM, MAKB

Nephrotoma appendiculata pertenua Oosterbroek, 1978

Oosterbroek 1978, **Rif**, 9 km SW Chefchaouen; Theowald and Oosterbroek 1980, **Rif**, Dardara, **MA**, Fès, Immouzer, Khemisset; Oosterbroek and Theowald 1992; de Jong 1993, 1998, **Rif**; Adghir et al. 2018, **Rif**, Oued Ametrasse, Dayat Aïn Jdioui, Barrage Moulay Bouchta, Oued Sahil, Dayat Jebel Zemzem, Aïn Sidi Brahim Ben Arrif, Oued Nakhla, Oued Tizekhte, Lot Hemmadi, Douar Ayacha, Douar Louamera, Dayat Mezine, Aïn El Malâab, Aïn Takhninjoute, Dayat Tazia, Oued Taida, maison forestière Tazia, Tourbière Amesmlil, Oued El Hamma, Oued Kbir, Jebel Lakraâ; Oosterbroek 2020 (CCW)

Nephrotoma astigma Pierre, 1925

Theowald and Oosterbroek 1980, **Rif**, Dardara, **MA**, Taza; Adghir et al. 2018, **Rif**, Oued Tabandout, Etang Maggou, Aïn El Malâab, Douar Remla; Oosterbroek 2020 (CCW)

Nephrotoma fontana Oosterbroek, 1978

de Jong 1998, **Rif**; Adghir et al. 2018, **Rif**, Ketama, maison forestière Tazia, Dayat Tazia; Oosterbroek 2020 (CCW)

Nephrotoma guestfalica vaillanti de Jong, Adghir & Bosch, 2021

de Jong et al. 2021, **Rif**, Ras el Ma (Chefchaouen, 500 m), Fomento, Oued Laou (6 km north-west of Chefchaouen, 200 m), Jebel Tissouka (3 km south of Chefchaouen, 500 m; 3 km south of Chefchaouen, 700 m; 4 km south-east of Chefchaouen, 700–800 m; 5 km southeast of Chefchaouen, 700–900 m; 5 km south of Chefchaouen, 900–1000 m), Bab Taza (25 km south-east of Chefchaouen, 750–800 m), Dardara (10 km south of Chefchaouen, 300 m), Oued Martil, Nakhla, Âounsar Aheramen, Boumerouil, Oued Maggou, Oued Maggou (Aïn Ras el Ma), Douar Kitane, Oued Sidi Yahia Aârab, Oued Tamerte, Oued Zandoula, Oued El Hamma, Lot Hemmadi, Oued Tamerte, Oued Sidi Mohamed Saâda, Oued El Koub, Douar Iholebatine, Dayat Tazia, Belouazen, Oued Lemtahane, Oued Siflaou, Oued Amsemlil, **AP**, Oued Loukous, Aïn

el-Aouda, **MA**, Ifrane (road to Mischliffen, 1680 m), N.S. and W of Ifrane (1400–1800 m), Khemisset, Azrou, Oum-er-Rbia, **HA**, M'semrir (bord de l'Oued), Rich, Haute Rhégaya (identified by Mannheims in 1951 as *surcoufi*)

Nephrotoma luteata (Meigen, 1818)

Oosterbroek 1979a, **Rif**, Targuist, Chefchaouen, **HA**, Kasba Taguendaft, near Oukaïmeden; Theowald and Oosterbroek 1980, **Rif**, Targuist, Chefchaouen, **HA**, Kasba Taguendaft, near Oukaïmeden; Oosterbroek and Theowald 1992; Pârvu et al. 2006, **AP**, Merja Zerga; Adghir et al. 2018, **Rif**, Oued Laou, Dardara, Oued Nakhla; Oosterbroek 2020 (CCW)

Nephrotoma subanalis (Mannheims, 1951)

= ? *Pachyrhina analis* Schummel, in Pierre 1922a: 24, Pierre 1922b: 150

= *Pales subanalis* Mannheims, in Mannheims 1951: 56

Mannheims 1951, **HA**, Tachdirt (2200–2900 m); Vaillant 1956b, **HA**, Oukaïmeden (2250 m); Oosterbroek 1979c, **HA**, Tachdirt (2200–2900 m); Theowald and Oosterbroek 1980, **HA**, Tachdirt, Oukaïmeden, M'Goum, Tadmant, Imlil, Tizi-N'Tichka; Oosterbroek and Theowald 1992, **HA**, Tachdirt; Oosterbroek 2020 (CCW)

Nephrotoma submaculosa Edwards, 1928

Oosterbroek 1982, **Rif**, Ketama, Dardara, **MA**, Azrou; Oosterbroek and Theowald 1992; de Jong 1998, **Rif**, **Atlas**; Oosterbroek 2011; Adghir et al. 2018, **Rif**, Jebel Dahedouh, Ketama, Aïn Sidi Brahim Ben Arrif, Oued Taida, tributary of Oued Ouara, Sidi Chouiref, Dayat Tazia; Oosterbroek 2020 (CCW)

Nephrotoma sullingtonensis Edwards, 1938

Oosterbroek 1978; Theowald and Oosterbroek 1980, **Rif**, Bab Berred; Oosterbroek 1982 **Rif**, Bab Berred; de Jong 1993, 1998, **Rif**; Oosterbroek and Theowald 1992; Adghir et al. 2018, **Rif**, 4 km SE Ketama, Barrage Moulay Bouchta, Oued Aârate, Aïn Takhninjoute, Oued Jbara, Aïn El Malâab, Aïn El Ma Bared, Oued Lemtahane, maison forestière Tazia, Oued Taida, Dayat Tazia; Oosterbroek 2020 (CCW)

Tipula Linnaeus, 1758

Tipula (Acutipula) anormalipennis Pierre, 1924

Pierre 1924b, **HA**, Haut Imminen; Séguy 1930a, **HA**, Haut Imminen; Séguy 1941a, **HA**, Tachdirt (2500 m), Haut Imminen; Mannheims 1952, **HA**, Tachdirt (2500 m), Imminen (2400–2500 m), Arround (1950 m); Vaillant 1956b, **HA**, Lake of Tamhda (Anremer, 2900 m); Theowald and Oosterbroek 1980, **HA**, Anremer, Haut-Imminen, Tachdirt, Arround, Oukaïmeden; Vermoolen 1983, **HA**, Haut Imminen, Oukaïmeden (2500–2800 m), Arround (1950 m), Tachdirt (2500 m); Oosterbroek and Theowald 1992; de Jong 1994a, **HA**; de Jong 1998, **HA**; Dakki 1997; Oosterbroek 2020 (CCW)

Tipula (Acutipula) repentina Mannheims, 1952

= *Tipula maxima* Poda, in Séguy 1941a: 26

Séguy 1941a, **HA**, Tachdirt (2500 m); Mannheims 1952, **HA**, Tachdirt (2200–2700 m); Vaillant 1956b, **HA**, Lac Tamhda (Anremer, 2900), M'Goum

(2500 m); Theowald and Oosterbroek 1980, **HA**, Anremmer, M'Goum, Tachdirt, Tizi-N'Tichka, Asni, Oukaïmeden, Setti Fatma, Imlil, Tadmant; Vermoolen 1983, **MA**, Ifrane, **HA**, Androment, M'Goum, Tadmant, Tizi-N'Test, Setti Fatma, Oukaïmeden, Tizi-N'Tichka; Oosterbroek and Theowald 1992, **HA**, Tachdirt; de Jong 1994a, **MA**, **HA**; de Jong 1998, **HA**; Dakki 1997; Oosterbroek 2020 (CCW)

Tipula (Acutipula) rifensis Theowald & Oosterbroek, 1980

Theowald and Oosterbroek 1980, **Rif**, Targuist; Vermoolen 1983, **Rif**, Targuist, Tidiguin (90 km E. of Ouezzane, 2350 m); Oosterbroek and Theowald 1992, **Rif**; de Jong 1994a, 1998, **Rif**; Adghir et al. 2018; Oosterbroek 2020 (CCW)

Tipula (Emodotipula) leo Dufour, 1991

= *Tipula (Emodotipula) obscuriventris* Strobl², in Oosterbroek and Theowald 1992: 99 Oosterbroek and Theowald 1992 (?); Dufour 2003, **Rif**; Adghir et al. 2018, **Rif**, Jebel Tissouka; Oosterbroek 2020 (CCW)

Tipula (Lunatipula) bivittata Pierre, 1922

Pierre 1922a, **AP**, Maâmora between Kénitra and Oued Beth, Dradek (near Rabat); Pierre 1922b, **AP**, Rabat; Mannheims 1968; Theowald and Oosterbroek 1980, **AP**, forest of Maâmora, Dradek; Oosterbroek and Theowald 1992, **AP**, forest of Maâmora, Dradek; Dakki 1997; Oosterbroek 2020 (CCW) – MISR (**AP**, Kénitra, Dradek)

Tipula (Lunatipula) cinereicolor Pierre, 1924

Pierre 1924b, **HA**, Haut Imminen; Séguy 1930a, **HA**, Tachdirt (3100–3200 m); Theowald 1973, **HA**, Haut Imminen (2400 m); Theowald and Oosterbroek 1980, **MA**, Ifrane, **HA**, Oukaïmeden, Tachdirt, Haut-Imminen; Eiroa 1990, **MA**, Ajabo; Oosterbroek and Theowald 1992, **HA**, Imminen; Dakki 1997; Oosterbroek 2020 (CCW)

Tipula (Lunatipula) cornicula Pierre, 1922

Pierre 1922b, **HA**, Arround (2000 m); Séguy 1930a, **HA**, Tachdirt (3100–3200 m); Theowald 1973, **HA**, Cirque d'Arround (2000 m), Tachdirt (2200–2700 m), Goundafa (1200 m); Theowald and Oosterbroek 1980, **HA**, Oukaïmeden, Tachdirt, Goundafa; Oosterbroek and Theowald 1992, **HA**, Tachdirt; Dakki 1997; Oosterbroek 2020 (CCW) – MISR (**HA**)

Tipula (Lunatipula) fabiola Mannheims, 1968

Theowald and Oosterbroek 1980, **Rif**, Bab Berred, Ras El Ma (Chefchaouen), **MA**, Jebel Abad, Ifrane; Oosterbroek and Theowald 1992; Adghir et al. 2018; Oosterbroek 2020 (CCW)

2 *Tipula (Emodotipula) obscuriventris* is widespread in the western Palearctic, but reaches its southwestern limits in the the Spanish Pyrenees. Therefore, it is very unlikely that *obscuriventris* actually occurs in Morocco, disregarding the references of Oosterbroek and Theowald (1992) and CCW 2020 (which provide Morocco with a question mark for *obscuriventris*). Thus far, the only positively identified *Emodotipula* species from Morocco and the Rif region for which evidence in the form of specimens is available is *T. leo*.

Tipula (Lunatipula) hermes Theischinger, 1977

Theischinger 1977, **Rif**, north of Ouezzane; Theowald 1980; Theowald and Oosterbroek 1980, **Rif**, north of Ouezzane; Oosterbroek and Theowald 1992, **Rif**, Ouezzane; Adghir et al. 2018, **Rif**, 4 km SE Ketama, Oued Ametrasse, Aïn El Ma Bared; Oosterbroek 2020 (CCW)

Tipula (Lunatipula) iberica iberica Mannheims, 1963

= *Tipula lunata* Linnaeus, in Pierre 1922b: 149, Séguy 1930a: 23

Pierre 1922b, **HA**, Haute Réghaya, Tannaout (1000 m); Séguy 1930a, **HA**, Haut Imminen; Mannheims 1963, **MA**; Theowald and Oosterbroek 1980, **Rif**, Bab Berred, **MA**, Ifrane, Taounate; Eiroa 1990, **MA**, Ifrane; Oosterbroek and Theowald 1992; Oosterbroek 2009; Adghir et al. 2018, **Rif**, Ketama; Oosterbroek 2020 (CCW) – MISR (**HA**)

Tipula (Lunatipula) iberica spinula Theischinger, 1980

Theischinger 1980, **HA**, Oukaïmeden (1300–2800 m); Theowald and Oosterbroek 1980, **HA**, Oukaïmeden; Oosterbroek and Theowald 1992, **HA**, Oukaïmeden; Oosterbroek 2020 (CCW)

Tipula (Lunatipula) peliostigma peliostigma Schummel, 1833

Eiroa 1990, **MA**, Azrou; Mouna 1997; Oosterbroek 2020 (CCW)

Tipula (Lunatipula) pjotri de Jong & Adghir, 2018

Adghir et al. 2018, **Rif**, Jebel El Kelâa (Talassemthane, 1340 m)

Tipula (Lunatipula) pseudocinerascens Strobl, 1906

Adghir et al. 2018, **Rif**, Stehat, Oued Taida, Perdicaris Park, Dayat Tazia

Tipula (Lunatipula) rocina Theischinger, 1979

Theowald and Oosterbroek 1980, **Rif**, Tétouan; Oosterbroek and Theowald 1992; Oosterbroek 2009; Adghir et al. 2018; Oosterbroek 2020 (CCW)

Tipula (Lunatipula) selenaria Mannheims, 1967

Mannheims 1967, **MA**, Jebel Tazzeka (1500–1989 m), **HA**, Goundafa (1200 m); Theowald and Oosterbroek 1980, **MA**, Tazzeka, **HA**, Foug Keneg, Goundafa, Oukaïmeden; Eiroa 1990, **MA**, Ajabo; Oosterbroek and Theowald 1992, **HA**, Goundafa; de Jong 1995, **MA**, **HA**, Oukaïmeden; Oosterbroek 2020 (CCW)

Tipula (Lunatipula) stimulosa Mannheims, 1973

Adghir et al. 2018, **Rif**, Jebel El Kelâa (Talassemthane, 1340 m)

Tipula (Lunatipula) subfalcata Mannheims, 1967

de Jong 1995, 1998, **Rif**; Adghir et al. 2018, **Rif**, Jebel Tissouka, Oued Tamerte, Oued El Koub; Oosterbroek 2020 (CCW)

Tipula (Lunatipula) subpustulata Mannheims, 1963

= *Tipula pustulata* Pierre, in Pierre 1922b: 150

Pierre 1922b, **AP**, Mogador; Vaillant 1956b, **HA**, M'Goun (2500 m); Mannheims 1963, **AP**, Aïn el Aouda, **MA**, Jebel Tazzeka (1600–1989 m), **HA**, Goundafa (1200 m), Tachdirt (2200–2900 m), **AA**, Lac Goulmima; Theowald 1972; Theowald and Oosterbroek 1980, **AP**, Aïn el Aouda, **MA**, Jebel Tazzeka, **HA**, M'Goun, Goundafa, Tachdirt, Oukaïmeden, Imlil; Eiroa 1990, **MA**, Ajabo; Oosterbroek and Theowald 1992, **HA**, Goundafa; Dakki 1997;

Adghir et al. 2018, **Rif**, 4 km SE Ketama, Aïn El Ma Bared; Oosterbroek 2020 (CCW) – MISR (**AP**, Mogador)

Tipula (*Lunatipula*) *tazzekai* Theowald, 1973

Theowald 1973, **MA**, Jebel Tazzeka (1600–1989 m); Theowald and Oosterbroek 1980, **MA**, Jebel Tazzeka; Eiroa 1990, **MA**, Jebel Hebri; Oosterbroek and Theowald 1992, **MA**, Jebel Tazzeka; Oosterbroek 2020 (CCW)

Tipula (*Savtshenkia*) *atlas* Pierre, 1924

Pierre 1924b, **HA**, Tachdirt (3100–3250 m); Séguy 1930a, **HA**, Tachdirt (3100–3200 m); Vaillant 1956b, **HA**, Cascade Siroua (3000 m), M’Goun (2500 m), Toubkal (3350 m), Lake of Tamhda (Anremar, 2900 m); Mannheims 1964, **HA**; Theowald 1973, **HA**; Theowald 1980, **HA**; Theowald and Oosterbroek 1980, **HA**, Toubkal, Sources de Tessaouts, M’Goum, Siroua, Anremar, Tachdirt, Oukaïmeden, Tizi-N’Tichka, Tadmant; Eiroa 1990, **MA**, Oum-Er-Rbia; Oosterbroek and Theowald 1992, **HA**, Tachdirt; de Jong 1994b; de Jong 1998, **Atlas**; Dakki 1997; Oosterbroek 2020 (CCW)

Tipula (*Savtshenkia*) *breviantennata* Lackschewitz, 1933

de Jong 1998, **Rif**; Adghir et al. 2018, **Rif**, Ras el Ma (Chefchaouen), Oued Maggou, Douar Aouzighen; Oosterbroek 2020 (CCW)

Tipula (*Savtshenkia*) *confusa* van der Wulp, 1883

Adghir et al. 2018, **Rif**, maison forestière (Talassemiane)

Tipula (*Savtshenkia*) *rufina rufina* Meigen, 1818

Theowald and Oosterbroek 1980, **HA**, Oukaïmeden; Theowald and Oosterbroek 1983, **Rif**, **Atlas**; Oosterbroek and Theowald 1992; Adghir et al. 2018, **Rif**, Ras el Ma (Chefchaouen); Oosterbroek 2020 (CCW)

Tipula (*Tipula*) *mediterranea* Lackschewitz, 1930

Vaillant 1956b, **HA**, Oukaïmeden (2250 m), M’Goun (2500 m); Mannheims 1952; Theowald and Oosterbroek 1980, **MA**, Ifrane, **HA**, Oukaïmeden, M’Goum, Asni, M’Semrir, Ifni, Bab-Rou-Idie, Tizi-N’Tichka, Setti Fatma; Theowald 1984, **Rif**; Eiroa 1990, **MA**, Azrou, Oum-Er-Rbia; Oosterbroek and Theowald 1992; Pârvu et al. 2006 **AP**, Merja Zerga; Adghir et al. 2018, **Rif**, Ras el Ma (Chefchaouen), Jebel Tissouka, Bab Taza, Dardara, 4 km SE Ketama, Aïn Afersiw, Douar Kitane, Dayat Jebel Zemzem, Wilaya (Tétouan), Aïn El Ma Bared, Oued Tamerte, Douar Louamera, Tourbière Amesmlil, Dayat Mezine, Hejar Nehal, tributary of Oued Ouara, Oued Tkarae, Oued Jnane Niche, Dayat Afrate, Oued Ametrasse; Oosterbroek 2020 (CCW)

Tipula (*Tipula*) *oleracea* Linnaeus, 1758

Mannheims 1952, **Rif**, Tlata Ketama; Theowald and Oosterbroek 1980, **Rif**, Tlata Ketama; Theowald 1984, **Rif**; Oosterbroek and Theowald 1992; Dakki 1997; Pârvu and Zaharia 2007; Oosterbroek 2011; Adghir et al. 2018, **Rif**, Oued Laou, Dardara, Jebel Tissouka, Ksar Rimal, 15 km from Fifi, Oued Aârate, Oued El Hamma, Douar Louamera, Oued Zaouya, Près de Beni Said, Wilaya (Tétouan), Tourbière Amesmlil, Oued Smir, Aïn Jdida; Oosterbroek 2020 (CCW) – MISR

Tipula (Vestiplex) vaillanti vaillanti Theowald, 1977

Adghir et al. 2018, **Rif**, Jebel El Kelâa (Talassemthane, 1340 m), Douar Kitane

Tipula (Yamatotipula) afriberia afriberia Theowald & Oosterbroek, 1980

Theowald and Oosterbroek 1980, **HA**, Oukaïmeden; Oosterbroek and Theowald 1992, **HA**, Oukaïmeden; Oosterbroek 1994a; Adghir et al. 2018, **Rif**, Jebel Tissouka, Dardara, Douar Mokedassen, Oued Zarka; Oosterbroek 2020 (CCW)

Tipula (Yamatotipula) barbarentis Theowald & Oosterbroek, 1980

= *Tipula lateralis* Meigen, in Pierre 1922a: 23, Pierre 1922b: 150, Séguy 1930a: 23, Séguy 1941a: 26, Mannheims 1952: 98 (in part), Vaillant 1956b: 238
 Pierre 1922a, **AP**, Dradek (Rabat), **MA**, Azrou (riverside of Oued Tigrigra);
 Pierre 1922b, **AP**, Mogador, **MA**, Beni Mellal, **HA**, Asni; Séguy 1930a; Séguy 1941a, **HA**, Imi n'Ouaka (1500 m); Mannheims 1952; Vaillant 1956b, **HA**, Oukaïmeden; Theowald and Oosterbroek 1980, **Rif**, Dardara, **MA**, Ifrane, Aghbalou, **HA**, Asni, Oukaïmeden, Setti Fatma, Imlil, Tizi-N'Tichka, Tadmant, Tachdirt; Eiroa 1990, **MA**, Azrou, Oum-er-Rbia, Ifrane; Oosterbroek and Theowald 1992, **HA**, Setti Fatma; Oosterbroek 1994a, **Rif**, Dardara, **MA**, Ifrane, Aghbalou, **HA**, Oukaïmeden, Setti Fatma, Imlil, Tizi-N'Tichka, Tadmant, Asni, Tachdirt; Dakki 1997; Adghir et al. 2018, **Rif**, Ras el Ma (Chefchaouen), Jebel Tissouka, Bab Taza, Dardara, 4 km SE Ketama, Aïn El Manzela, Aïn Bab Tariouante, Dayat Aïn Afersiw, Oued El Kanar, Dayat Afrate, Douar Kitane, Wilaya (Tétouan), 15 km from Fifi, Aïn Sidi Brahim Ben Arrif, Oued Nakhla, Âounsar Aheramen, Oued Boumerouil, Douar Zaouya, Oued Tizekhte, Oued Samsa, Dayat Aïn Jdioui, Douar Ouled Laghmari-Rmal, maison forestière Tazia, Hejar Nehal, Lot Hemmadi, tributary of Oued Ouara, Oued Sidi Mohamed Saâda, Oued Amsemlil, Tourbière Amesmlil, Beni Salah, Oued Jnane Niche, Oued Maggou, Souk Lhed Beni Darkoul, Oued Imassouden, Aïn Helouma, Source Zarka, Aïn Kchour; Oosterbroek 2020 (CCW) – MISR

Trichoceridoidea

TRICHOCERIDAE

K. Kettani, E. Krzemińska

Number of species: **8**. Expected: 10

Faunistic knowledge of the family in Morocco: good

Trichocerinae

Trichocera Meigen, 1803

Trichocera (Trichocera) hiemalis (DeGeer, 1776)

Pierre 1922b (**AP**, Rabat); Dakki 1997; Mouna 1998; **AP** (Rabat) – MISR

Trichocera (Trichocera) marocana Driauach, Krzemińska & Belqat, 2015

Driauach et al. 2015, **Rif**, Oued Akrir

Trichocera (Saltrichocera) annulata Meigen, 1818

Driauach et al. 2015, **Rif**, affluent Oued Akrir, Dayat Fifi, Oued Taria, Oued Kelâa, Oued Ouara, Oued à 15 km de Fifi, Aïn Mâaze, Oued Maggou, Aïn Quanquben, Oued Tizekhte, Forêt Jebel Bouhachem, **EM**, Grotte du Chameau, Oued Zegzel, Aïn Sidi Yahia, Cascade Grotte des pigeons, Oued Tafoughalt

Trichocera (Saltrichocera) pappi Krzemińska, 2003

Driauach et al. 2015, **Rif**, Dayat Fifi, affluent Oued Akrir, Oued Amsemlil, Ruisseau Agoummir, maison forestière, **EM**, Cascade Grotte des Pigeons, **MA**, Seguia El Hajeb

Trichocera (Saltrichocera) saltator (Harris, 1776)

Driauach et al. 2015, **Rif**, Dayat Fifi, Oued à 15 km de Fifi, Forêt Jebel Bouhachem, maison forestière, **EM**, Cascade Grotte des pigeons

Trichocera (Saltrichocera) sardiniensis Petrašiūnas, 2009

Driauach et al. 2015, **Rif**, Oued à 15 km de Fifi, affluent Oued Akrir, Oued Amsemlil, maison forestière

Trichocera (Saltrichocera) regelationis (Linnaeus, 1758)

Driauach et al. 2015, **Rif**, Oued Ouara, Aïn el Ma Bared, Oued à 15 km de Fifi, Cascade Chrafate, Aïn Quanquben

Trichocera (Saltrichocera) rufescens Edwards, 1921

Driauach et al. 2015, **Rif**, affluent Oued Akrir, Dayat Fifi, Oued Tassikeste, Oued Farda, Aïn Mâaze

Psychodoidea

PSYCHODIDAE

K. Kettani, R. Wagner

Number of species: **51**. Expected: 70

Faunistic knowledge of the family in Morocco: moderate

Phlebotominae

Phlebotomus Loew, 1845*Phlebotomus (Larroussius) ariasi* Tonnoir, 1921

Gaud 1947a; Gaud and Laurent 1952, **AP**, Rabat; Bailly-Choumara et al. 1971, **AP**, **MA**, **HA**; Rioux et al. 1974; Mouna 1998; Guernaoui et al. 2005, **MA**, **HA**; Bounamous 2010; Boussaa et al. 2005; Boussaa et al. 2010

Phlebotomus (Larroussius) chadlii Rioux, Juminer & Gibily, 1966

Rioux et al. 1974, **HA**; Rioux et al. 1975; Croset et al. 1978; Mouna 1998; Bounamous 2010

Phlebotomus (Larroussius) langeroni Nitzulescu, 1930

Rislorcelli 1941, **HA**; Bailly-Choumara et al. 1971, **AP**, **EM**; Croset et al. 1978; Mouna 1998

Phlebotomus (Larroussius) longicuspis Nitzulescu, 1930

Rislorcelli 1941, **HA**; Gaud and Laurent 1952, **AP**, Rabat; Bailly-Choumara et al. 1971, **Rif, EM, AP, MA, HA, AA**; Rioux et al. 1974, **HA**; Croset et al. 1978; Mouna 1998; Guernaoui et al. 2005, **Rif**, Chefchaouen, **HA, AA**, Agadir; Boussaa et al. 2005; Boussaa 2008; Boussaa et al. 2008; Boussaa et al. 2010; Bounamous 2010; Zarrouk et al. 2016

Phlebotomus (Larroussius) mariae Rioux, Croset, Léger and Bailly-Choumara, 1974

Hervy et al. 1994; Rioux et al. 1974, **HA**; Mouna 1998; Guernaoui et al. 2005, **MA, HA**

Phlebotomus (Larroussius) perfiliewi Parrot, 1930

Rioux et al. 1977; Croset et al. 1978; Mouna 1998

Phlebotomus (Larroussius) perniciosus Newstead, 1911

Séguy 1930a; Gaud and Laurent 1952, **AP**, Rabat; Bailly-Choumara et al. 1971, **AP, EM, MA, HA, AA**; Mouna 1998; Guernaoui et al. 2005, **Rif**, Chefchaouen, **HA**; Boussaa et al. 2008; Bounamous 2010; Boussaa et al. 2010; Zarrouk et al. 2016

Phlebotomus (Paraphlebotomus) alexandri Sinton, 1928

Bailly-Choumara et al. 1971, **AA**; Abonnenc 1972; Rioux et al. 1974, **HA**; Croset et al. 1978; Mouna 1998; Colacicco-Mayhugh et al. 2010, **EM**; Boussaa et al. 2010; Bounamous 2010

Phlebotomus (Paraphlebotomus) chabaudii Croset, Abonnenc & Rioux, 1970

Rioux et al. 1974, **HA**; Rioux et al. 1975; Mouna 1998

Phlebotomus (Paraphlebotomus) kazeruni Theodor & Mesghali, 1964

Mouna 1998

Phlebotomus (Paraphlebotomus) riouxi Depaquit, Killick-Kendrick & Léger, 1998

Bounamous 2010

Phlebotomus (Paraphlebotomus) sergenti Parrot, 1917

Séguy 1930a; Rislorcelli 1941; Rislorcelli 1947; Gaud and Laurent 1952, **AP**, Rabat; Bailly-Choumara et al. 1971, **Rif, AP, EM, MA, HA, AA**; Abonnenc 1972; Rioux et al. 1974, **HA**; Mouna 1998; Boussaa et al. 2009; Bounamous 2010

Phlebotomus (Phlebotomus) bergeroti Parrot, 1934

Rioux et al. 1975, **HA**; Mouna 1998; Bounamous 2010

Phlebotomus (Phlebotomus) papatasi (Scopoli, 1786)

Séguy 1930a; Rislorcelli 1941, Rislorcelli 1947, **HA**; Bailly-Choumara et al. 1971, **AP, EM, MA, HA, AA**; Abonnenc 1972; Rioux et al. 1974, **HA**; Croset et al. 1978; Mouna 1998; Boussaa et al. 2005; Boussaa 2008; Colacicco-Mayhugh et al. 2010, Mediterranean region; Bounamous 2010; Boussaa et al. 2010; Prudhomme et al. 2012

Phlebotomus clydei Sinton, 1928

Bailly-Choumara et al. 1971, **EM**; Mouna 1998

Phlebotomus lewisi Parrot, 1948

Bailly-Choumara et al. 1971, South **AP**; Mouna 1998

Sergentomyia* França & Parrot, 1920Sergentomyia* (*Grassomyia*) *dreyfussi* (Parrot, 1933)

Rislorcelli 1941, Rislorcelli 1947, **HA**; Bailly-Choumara et al. 1971, **AP**, **EM**, **MA**, **HA**; Abonnenc 1972; Rioux et al. 1974, **HA**; Croset et al. 1978; Mouna 1998; Boumezzough et al. 2009, **HA**, Marrakech; Bounamous 2010

Sergentomyia (*Parrotomyia*) *africana* (Newstead, 1912)

= *Phlebotomus* (*Parrotomyia*) *africana* (Newstead), in Rislorcelli 1941: 522, Bailly-Choumara et al. 1971: 454; Rioux et al. 1974: 99

Séguy 1930a (as subspecies of *minutus* Rondani: 43), **HA**, Marrakech; Rislorcelli 1941 (as subspecies of *minutus* Rondani: 528), **AA**, Ksar es Souk; Gaud and Laurent 1952 (as subspecies of *minutus* Rondani: 75), **AP**, Rabat; Bailly-Choumara et al. 1971 (as subspecies of *minutus* Rondani: 438), **AP**, **AA**; Rioux et al. 1974, **HA**; Croset et al. 1978 (as subspecies of *minutus* Rondani: 722); Mouna 1998; Boussaa et al. 2005; Boumezzough et al. 2009, **HA**, Marrakech; Bounamous 2010; Boussaa et al. 2010

Sergentomyia (*Sergentomyia*) *antennata* (Newstead, 1912)

= *Phlebotomus cinctus* Parrot & Martin, 1944, in Mouna 1998: 86

= *Phlebotomus signatipennis* Newstead, 1920, in Mouna 1998: 86

Bailly-Choumara et al. 1971, **EM**; Rioux et al. 1974, **HA**; Léger et al. 1974, **AA** (south of Morocco); Mouna 1998

Sergentomyia (*Sergentomyia*) *fallax* (Parrot, 1921)

Rislorcelli 1947; Gaud 1954; Bailly-Choumara et al. 1971, **AP**, **EM**, **MA**, **AA**; Rioux et al. 1974, **HA**; Mouna 1998; Guernaoui et al. 2005; Boussaa et al. 2005; Boussaa et al. 2007; Boumezzough et al. 2009, **HA**, Marrakech; Boussaa et al. 2010; Bounamous 2010

Sergentomyia (*Sergentomyia*) *minuta* (Rondani, 1843)

= *Phlebotomus minutus* Rondani, in Gaud and Laurent 1952: 75, Mouna 1998: 86

= *Phlebotomus* (*Sergentomyia*) *parroti* (Adler and Theodor), in Rislorcelli 1941: 526, Rislorcelli 1947: 487, Bailly-Choumara et al. 1971: 450, Rioux et al. 1974, 99

Séguy 1930a, **HA**, Marrakech; Gaud and Laurent 1952, **AP**, Rabat; Rislorcelli 1941; Rislorcelli 1947, **HA**; Bailly-Choumara et al. 1971, **Rif**, **AP**, **EM**, **MA**, **HA**; Rioux et al. 1974, **HA**; Croset et al. 1978 (from the mediterranean region to the Sahara); Mouna 1998; Boussaa et al. 2005; Boumezzough et al. 2009, **HA**, Marrakech; Bounamous 2010; Boussaa et al. 2010; Depaquit et al. 2015, **Rif**, Chefchaouen

Sergentomyia (*Sergentomyia*) *schwetzi* Adler, Theodor & Parrot, 1929

Bailly-Choumara and Léger 1976, **SA**, Aouinet-Torkoz; Mouna 1998

Sergentomyia (*Sintonius*) *christophersi* (Sinton, 1927)

Rioux et al. 1974, **HA**; Rioux et al. 1975; Croset et al. 1978; Mouna 1998

Psychodinae

Maruinini

Tonnoiriella* Vaillant, 1982Tonnoiriella paveli* Ježek, 1999Ježek 1999, **HA**, **AA**; Afzan and Belqat 2016*Tonnoiriella pulchra* (Eaton, 1893) (?) [probably mis-identification]

Wagner 1990; Ježek and Hájek 2007; Afzan and Belqat 2016

Mormiini

Mormia* Enderlein, 1935Mormia tenebricosa* Vaillant, 1954= *Telmatoscopus (Mormia) tenebricosus* Vaillant, in Vaillant 1956b: 244Vaillant 1956b, **HA**, Imi-N’Ifri; Afzan and Belqat 2016, **Rif**, Oued Achekrade

Paramormiini

Clogmia* Enderlein, 1937Clogmia albipunctata* (Williston, 1893)Afzan and Belqat 2016, **Rif**, Douar Kitane, Douar Moukhata, Oued Mhanech, **AP**, Douar Aoulad Ali (Central Plateau (Coastal region))***Panimerus* Eaton, 1913***Panimerus thienemanni* (Vaillant, 1954)= *Panimerus maynei* (Tonnoir, 1919), in Dakki 1997: 62Boumezzough and Vaillant 1986b, **HA**, Assif Réghaya; Afzan and Belqat 2016***Paramormia* Enderlein, 1935***Paramormia ustulata* (Walker, 1856)Vaillant 1956b, **HA**; Mouna 1998; Ježek and Yağcı 2005; Omelková and Ježek 2012a; Afzan and Belqat 2016, **Rif**, Seguia Barrage Dar Chaoui, Douar Kitane, Oued Jnane Niche

Pericomini

Bazarella* Vaillant, 1964Bazarella atra* (Vaillant, 1955)= *Pericoma atra* Vaillant, in Vaillant 1956b: 234, 238, 242Vaillant 1956b, **HA**, Assif Tasouat (M’Goum), Siroua, Imi-N’Ifri, Aguelmous, Sidi Chamarouch, Lac Tamhda (Anremer), Oukaïmeden; Boumezzough and Thomas 1987, **HA**, Oued Réghaya (Imlil, 1750 m); Dakki and

Himmi 2008; Afzan and Belqat 2016, **Rif**, Oued Inesmane, Oued Madissouka, Aïn Quanquben

***Pericoma* Walker, 1856**

Pericoma (Pachypericoma) blandula Eaton, 1893

Boumezzough and Vaillant 1986b, **HA**; Dakki 1997; Ježek 2004, **Rif**; Ježek and Hájek 2007; Dakki and Himmi 2008, **MA**, Oued Sebou; Omelková and Ježek 2012a; Afzan and Belqat 2016, **Rif**, Oued Taida, Âounsar Aherman, Oued Beni Ouachekradi, Oued Aâyaden, Cascade Ras el Ma

Pericoma (Pericoma) barbarica Vaillant, 1955

Vaillant 1956b, **HA**, M'Goum; Afzan and Belqat 2016, **Rif**, Oued Taida, Douar Taria, Cascade Grotte des pigeons

Pericoma (Pericoma) granadica Vaillant, 1978

Boumezzough and Vaillant 1986b, **HA**; Vaillant and Moubayed 1987; Dakki 1997; Dakki and Himmi 2008, **MA**, Oued Sebou; Afzan and Belqat 2016, **Rif**, Oued Taida, Ametrasse, Oued Farda, Oued Aâyaden, Oued Ras el Ma, **MA**, Aïn Vittel, **HA**, Cascade sur sol cuivreux, Oued Réghaya

Pericoma (Pericoma) diversa Tonnoir, 1920

Vaillant 1978, **HA**; Afzan and Belqat 2016, **Rif**, Cascade Chrafate

Pericoma (Pericoma) exquisita Eaton, 1893

Ježek 2004, **Rif**, **HA**; Afzan and Belqat 2016

Pericoma (Pericoma) latina Sarà, 1954

Vaillant 1955, **HA**; Afzan and Belqat 2016, **Rif**, Cascade Chrafate, Oued Maggou, Nord Village Maggou, Oued Kelâa, Oued Talembote, Oued associé à Dayat Fifi, Oued Tiffert, Oued à 20 km de Fifi, Oued El Kanar, Beni Fenzar

Pericoma (Pericoma) maroccana Vaillant, 1955

= *Pericoma numidica* var. *marocana* Vaillant, 1955

Boumezzough and Vaillant 1986b, **HA**, Tissaout; Dakki 1997; Afzan and Belqat 2016, **Rif**, Cascade Chrafate, ruisseau maison forestière; Dakki and Himmi 2008, **MA**, Oued Sebou

Pericoma (Pericoma) modesta Tonnoir, 1922

= *Pericoma numidica* Vaillant, in Vaillant 1956b: 236, 237, 240

Vaillant 1956b, **HA**, Assif Tassouat (M'Goum), Lac Tamhda (L'Anremer); Boumezzough and Vaillant 1986b, **HA**; Dakki 1997; Dakki and Himmi 2008, **MA**, Oued Sebou; Afzan and Belqat 2016

Pericoma pseudexquisita Tonnoir, 1940

Afzan and Belqat 2016, **Rif**, Oued Azila

***Pneumia* Enderlein, 1935**

Pneumia nubila (Meigen, 1818)

Afzan and Belqat 2016, **Rif**, Aïn Mâaze

Pneumia pilularia (Tonnoir, 1940)

Ježek 2004; Ježek and Hájek 2007; Omelková and Ježek 2012a

Pneumia propinqua (Satchell, 1955)

Afzan and Belqat 2016, **Rif**, Chrafate, Oued Zarka

Pneumia reghayana (Boumezzough & Vaillant, 1986)

= *Satchelliella reghayana* Boumezzough & Vaillant, 1986, in Boumezzough and Vaillant 1986b: 238

Boumezzough and Vaillant 1986b, **HA**; Dakki 1997; Dakki and Himmi 2008; Afzan and Belqat 2016

Pneumia toubkalensis Omelková & Ježek, 2012

Omelková and Ježek 2012b, **HA**, Toubkal; Afzan and Belqat 2016, **Rif**, Oued Aâyaden, Aïn Ras el Ma

Psychodini

***Philosepedon* Eaton, 1904**

Philosepedon (Philosepedon) humeralis (Meigen, 1818)

Afzan and Belqat 2016, **Rif**, Oued Hachef, Cascade Ras el Ma, Oued El Kanar, 2 km de Douar Assoul, Oued Aâyaden

***Psychoda* Latreille, 1796**

Psychoda (Logima) albipennis (Zettersdedt, 1850)

= *Logima albipennis* (Zettersdedt), in Mouna 1998: 86
Mouna 1998

Psychoda (Psychoda) grisescens Tonnoir, 1922

Ježek 2004, **Rif**; Afzan and Belqat 2016, **Rif**, Douar Kitane, **MA**, Gîte Aït Ayoub

Psychoda (Psychoda) uniformata Haseman, 1907

Ježek 2004, **Rif**; Afzan and Belqat 2016

Psychoda (Psychodocha) cinerea Banks, 1894

Boumezzough and Thomas 1987, **HA**, Azib Oukaïmeden (2730 m); Dakki 1997; Dakki and Himmi 2008; Afzan and Belqat 2016, **Rif**, Oued Tazzarine, Douar Taria, Douar Kitane, Oued Chrafate, Oued Aâyaden, **EM**, Cascade Grotte des Pigeons (Béni Snassen)

Psychoda (Psychodocha) gemina (Eaton, 1904)

Afzan and Belqat 2016, **Rif**, Dayat Fifi, Oued Zarka, Douar Kitane, Oued Aâyaden

Psychoda (Tinearia) alternata Say, 1824

Tonnoir 1920, **HA**, La Maire; Boumezzough and Thomas 1987, **HA**, Oued Réghaya (1740 m), Imlil; Dakki 1997; Dakki and Himmi 2008; Afzan and Belqat 2016, **Rif**, Oued Nakhla, Oued Farda, Oued Ouara, Oued Ametrasse, Oued Chrafate, Douar Derâa, Douar Ihermochene, Douar Ikhlafene, Douar Taria, Douar Idrene, Douar Kitane, Oued 2 km de Douar Assoul, Oued Aâyaden, ruisseau maison forestière, Oued Mhannech, Aïn Sidi Yahia, **MA**, Gîte Aït Ayoub

Scatopsoidea

SCATOPSIDAE³

K. Kettani, J.P. Haenni

Number of species: **13**. Expected: 30–40

Faunistic knowledge of the family in Morocco: poor

Ectaetiinae

***Ectaetia* Enderlein, 1912**

Ectaetia clavipes (Loew, 1846)

= *Scatopse clavipes* Loew, in Mouna 1998: 84

Mouna 1998; Haenni and Kettani 2016, **Rif**, Amsa – MISR

Psectrosciariinae

***Anapausis* Enderlein, 1912**

Anapausis sp.*

Rif, Source Aïn Tissemlal

***Psectrosciara* Kieffer, 1911**

Psectrosciara sp. 1*

Rif, Adrou

Psectrosciara sp. 2*

Rif, Adrou

Scatopsinae

***Coboldia* Melander, 1916**

Coboldia fuscipes (Meigen, 1830)

Haenni and Kettani 2011, **Rif**, Kitane, **AP**, El Jadida, Rabat, **AA**, Souss;

Haenni and Kettani 2016, **Rif**, Maggou, Aârkob, Jnane Niche; **Rif** (M'Diq farm) – MISR

***Parascatopse* Cook, 1955**

Parascatopse sp.

Haenni and Kettani 2011, **AA**, Ouarzazate – MHNN

3 The following species were considered as Moroccan on the basis of the species represented in the collections of the MISR (Rabat, Morocco): *Aspistes berolinensis* Meigen, 1818, *Apiloscatopse flavicollis* (Meigen, 1818), *Reichertella pulicaria* (Loew, 1846). However, none of these species is represented by specimens originating from Morocco. Accordingly, they are excluded from the present checklist.

Quateiella* Cook, 1975Quateiella inexpectata* Haenni, 1988Haenni and Kettani 2016, **Rif**, Afertane***Reichertella* Enderlein, 1912***Reichertella geniculata* (Zetterstedt, 1850)Haenni and Kettani 2016, **Rif**, Jnane Niche*Reichertella maroccana* Haenni, 2011Haenni and Kettani 2011, **HA**, Oukaïmeden – RMNH***Rhegmoclemina* Enderlein, 1936***Rhegmoclemina lunensis* Haenni & Godfrey, 2009Haenni and Kettani 2011, **Rif**, Boujda***Rhexoza* Enderlein, 1936***Rhexoza freyi* (Duda, 1936)Haenni and Kettani 2011, **AA**, Agadir – MHNN***Scatopse* Geoffroy, 1762***Scatopse notata* (Linnaeus, 1758)Mouna 1998; Haenni and Kettani 2016, **Rif**, Onsar Lile – MISR***Swammerdamella* Enderlein, 1912***Swammerdamella brevicornis* (Meigen, 1830)Haenni and Kettani 2011, **Rif**, Kitane, Oued Laou, Ketama, **AP**, El Jadida, Essaouira, **HA**, Ouarzazate; Haenni and Kettani 2016, **Rif**, Amsa, Jnane Niche, Ametrasse – MISR**New records for Morocco**

An undescribed species of *Anapausis* has been collected in the Rif mountains in 2014 by K. Kettani and will be described elsewhere.

Anapausis sp.

Rif: Forêt Azilane (NPT), Source Aïn Tissemlal, 1255 m, 35°11.67N, 5°15.20W, 7.vi.2014, Sapinière à *Abies maroccana* et *Pinus nigra*, 1♂.

Two undescribed species of *Psectrosciara* have been collected in the Rif mountains in 2013 by K. Kettani and will be described elsewhere.

Psectrosciara sp. 1

Rif: Taghzout (PNPB), Adrou, 556 m, 35°22.39N, 05°32.28W, chênes-liège, 14.vii–15.viii.2013, 6♂♂.

Psectrosciara sp. 2

Rif: Taghzout (PNPB), Adrou, 556m, 35°22.39N, 05°32.28W, chênes-liège, 14.vii–15.viii.2013, 3♂♂.

PTYCHOPTERIDAE

K. Kettani, R. Wagner

Number of species: **5**. Expected: 8

Faunistic knowledge of the family in Morocco: moderate

Ptychopterinae

***Ptychoptera* Meigen, 1803**

Ptychoptera albimana (Fabricius, 1787)

MISR (No locality given)

Ptychoptera contaminata (Linnaeus, 1758)

MISR (No locality given)

Ptychoptera lacustris Meigen, 1830

MISR (No locality given)

Ptychoptera paludosa Meigen, 1804

MISR (No locality given)

Ptychoptera scutellaris Meigen, 1818

MISR (No locality given)

Culicoidea**CHAOBORIDAE**

K. Kettani, R. Wagner

Number of species: **2**. Expected: 4

Faunistic knowledge of the family in Morocco: poor

Chaoborinae

***Chaoborus* Lichtenstein, 1800**

Chaoborus crystallinus (De Geer, 1776)

Dakki 1997: 60

***Mochlonyx* Loew, 1844**

Mochlonyx culiciformis (De Geer, 1776)

Dakki 1997: 60

CULICIDAE

K. Kettani, B. Trari, O. Himmi, M. Dakki

Number of species: **43**. Expected: 60

Faunistic knowledge of the family in Morocco: good

Anophelinae

Anopheles* Meigen, 1818Anopheles (Anopheles) algeriensis* Theobald, 1903

Viallate 1922, **AP**, Kénitra; Séguy 1930a; Bonjean 1947, **EM**, **MA**; Gaud 1957a, **HA**, north of High Atlas; Guy 1959a, **MA**, Béni Mellal, **HA**; Guy 1959b, **HA**; Guy 1959a, **MA**, Béni Mellal; Bailly-Choumara 1967a, **MA**, Ghorm El Alem; Benmansour et al. 1972, **MA**, Barrage Bin El Ouidane; Bailly-Choumara 1973b, **AP**, Sidi Yahia du Gharb; Metge 1986, **AP**, Casablanca; Trari and Himmi 1987, **AP**; Himmi et al. 1995; Louah 1995, **Rif**, Tahaddart, Schroda; Dakki 1997; Ramdani 1997, **AP**, Skhirat, Casablanca; Trari et al. 2002; Trari et al. 2004b; Himmi 2007, **Rif**, Chefchaouen; El Ouali Lalami et al. 2010 a,b, **MA**, Fès, Boulmane; El Ouali Lalami 2012, **MA**, Fès; Trari 2017, **Rif**, Chefchaouen, **AA**, Tiznit; Trari and Dakki 2017a, **Rif**, Chefchaouen, **AA**, Tiznit; Trari and Dakki 2017b, **AA**, Tiznit; Trari et al. 2017

Anopheles (Anopheles) claviger (Meigen, 1804)

Vialatte 1923, **AP**, Kénitra; Séguy 1930a, **AP**, Rabat; Langeron 1938, **HA**, Tounfit, Massou, Anefgou, Tirghist, Tighermine, Louggouargh; Callot 1940, **HA**, Anefgou, Tirghist; Bonjean 1947, **EM**, **MA**; Gaud 1947c, **MA**, Sefrou, Meknès; Gaud 1948, **AP**, Rabat, **MA**, El Hajeb, **AA**, Errachidia, Tadla; Gaud et al. 1948, **AP**, Skhirat; Guy 1963, **Rif**, Taounate, **MA**, Meknès, Ifrane; Bailly-Choumara 1967a, **MA**, piste Tafetchna-Taoujgelt, maison forestière Ouiouane, piste Tafetchna-Senoual-Itzer, piste Ksiba-Naour, piste Naour-Arbala, Zaouia Cheikh, Oued Sarif (environs El Ksiba), Dayet Aoua (environs Ifrane), Boulemane; Bailly-Choumara 1967b, **EM**, 8 km N Itzer; Bailly-Choumara 1967c, **Rif**, piste Ketama-Mt Tiguidin; Guy 1967, **HA**, Marrakech, **AA**, Tafilalt; Guy and Holstein 1968, **SA**; Metge 1986, **AP**, Casablanca; Himmi et al. 1995; Louah 1995, **Rif**, Haidra, Marina Smir; Dakki 1997; Ramdani 1997, **AP**, Skhirat, Tamaris drains, Tamaris merja; Trari et al. 2002; Trari et al. 2004b; Himmi 2007, **Rif**, Bab Berred, Tanakoub; Faraj et al. 2008b, **Rif**, Assoul, Mizgane; El Ouali Lalami et al. 2010a, **MA**, Boulmane; Larhballi et al. 2010, **MA**, Zhiliga, Boukachmir, Aït Ichou; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Anopheles (Anopheles) labranchiae Falleroni, 1926

d'Anfreville 1916, **AP**, Salé; Delanoe 1917, **AP**, El Jadida; Viallate 1922, **AP**, Rabat, Boulhaut, Bouznika, Gharb, **MA**, Sidi Kacem, Tiflet, Fès, Taza; Charrier 1924, **Rif**, Tanger; Séguy 1930a, **MA**; Roubaud 1935, **AP**, Rabat; Sicault et al. 1935, **AP**, Merja Ras Eddaoura, Merja Zerga, dayas entre Sebou et Maâmora, Dar bel Hamri (entre barrage El Kansera et Sidi Slimane), à proximité de Merja Zerga, Douar Anabsa; Langeron 1938, **AA**; Callot 1940, **AA**; Ristorcelli 1946a,b, **HA**, Oued Tensift, Oued Issil; Bonjean 1947, **AP**, Gharb; Gaud 1947c, **MA**, Oulmès, **HA**, Marrakech; Gaud et al. 1948, **AP**, Merja Ras Eddaoura; Gaud et al. 1949, **AP**, Salé, **SA**, Foug Zguid, Tagounit;

Gaud 1953a, **AP**, from Tanger to El Jadida, **MA**, Tissa, Timhadit, Bekrit, Meknès, Ifrane (1700 m), **HA**, Sidi Aissa, Tizi-n'Tichka; Guy 1958, **HA**, Oued N'fis; Sacca and Guy 1960b, **Rif**, Tétouan, **AP**, Skhirat, Sidi Yahia, Sidi Bettache, Mazagan, Braila (près Sidi Allal Tazi), Aït Lahsen, **MA**, Meknès, **HA**, Marrakech; Guy 1962, **Rif**, Taounate, **AP**, Gharb, **HA**, Marrakech (ville et banlieu); Guy 1963, **Rif**, Tanger, Tétouan, **EM**, Berkane, Debdou, Oujda, **AP**, Kénitra, Souk Larba, Settât, Chamaïa, Safi, Casablanca, Rabat, Essaouira, **MA**, Meknès, Fès, Azrou, Oued Zem, Béni Mellal, **HA**, Kelaâ of Sraghna; Bailly-Choumara 1967a, **MA**, piste Tafechna-Znan Imes, piste Tafechna-Taoujgelt, piste Tafechna-Assoul, Aguelmane Azigza, piste Aguelmane Azigza-Aïn Leuh, maison forestière Ouiouane, route Khénifra-Tafechna, piste Tafechna-Senoual-Itzer, Ajdir, Itzer, Bords Moulouya, piste Itzer-Boumia, RN P.33 Boumia-El Kbab, Ouaoumana, piste Ksiba-Naour, piste Naour-Arbala, piste Arbala-El Kbab, Kafensour, Oued Sarif (environs El Ksiba), Dayet Aoua, Ifrane, Imouzer Marmoucha; Bailly-Choumara 1967b, **EM**, route Itzer-Midelt, Douar Sherba, Douar Aïn Shebbak, Douar Aïn Zabia, Douar Madarh, Douar Sidi Hashas, Mechraa safsaf; Bailly-Choumara 1967c, **Rif**, route Chaouen-Bab Taza, piste Bab Taza-Fifi, piste Bab Taza-Talassemtane, piste Bab Taza-Béni Ahmed, piste Bab Taza-Bab Berred, Anasar, piste Bab Berred-Tamorote, Ketama, route Ketama-Targuist, route nationale Jebha, Al Hoceima Club Med, Béni Bouayache, Targuist et environs; Guy 1967, **HA**, Marrakech, **AA**, Tafilalt; Bailly-Choumara 1968b, **AP**, Larache; Guy and Holstein 1968, **AA**, Ouarzazate; Bailly-Choumara 1970, **Rif**, Tétouan, **EM**, Berkane, **AP**, Larache, Sidi Yahia du Gharb, **HA**, Marrakech; Benmansour et al. 1972, **AA**, Agadir; Bailly-Choumara 1972a, **AP**, Merja Sheishat; Bailly-Choumara 1972b, **AP**, Merja Sheishat; Bailly-Choumara 1973a, **AP**, Merja de l'Oued Smir; Bailly-Choumara 1973b, **Rif**, Tétouan, **EM**, Berkane, **AP**, Merja Sheishat, **HA**, Souk des Oudaïas; de Zulueta et al. 1983, **Rif**; Ibn Jilali 1984, **AP**, Maâmora; Metge 1986, **AP**, Entre Oulad Dlim et Al Ara'ra; Trari and Himmi 1987, **AP**, Gharb; Himmi 1991, **AP**, Kénitra, Maâmora; Metge 1991, **AP**, Sidi Bettache; Trari 1991, **Rif**, Chefchaouen, Tanger, Taounate, **EM**, Oujda, **AP**, Sidi Amira, Sidi Boughaba, Merja Zerga, Sidi Allal Tazi, Aïn Chouk, Oued Loukous, Merja Oulad Skhar, **MA**, Khémisset, Béni Mellal, Khouribga, **HA**, El Kelaâ des Sraghrna, **AA**, Ouarzazate; El Bermaki 1993, **AP**, entre l'aéroport Anfa et l'aménagement d'El Oulfa, Sidi Maârouf, El Oulfa; Chlaida and Bouzidi 1995, **AP**, Aïn Blal, Oued Sidi Messoud; Louah 1995, **Rif**, Tres piedras, Marina Smir, Bouzerlal, Oued Maleh, Zekri, Lajour, Azla, Tahaddart, Skroda, Stehat, Moulay Bouchta, Kebbach, Talembote, Loubart, Chefchaouen, Oued Maggou, Bab Berred, Sidi Kankoch, Oued kbir, Oued Jebel Lehbib; Louah et al. 1995; Chlaida 1997, **AP**, Aïn Blal, Oued Sidi Messoud, Douar Chlihat, Barrage Al Massira; Moussalim 1997, **AP**, Sidi Allal Tazi, Maâmora; Ramdani 1997, **AP**, Tamaris, Skhirat; Faraj et al. 1997, **AP**, Ouled Moussa; Handaq 1998, **HA**, Oukaimeden, Amizmiz, Tiguenziouine;

Himmi et al. 1998, **AP**, Dayat d'El Menzeh (north-east of Kénitra), Sidi Boughaba; Alaoui Slimani et al. 1999, **AP**, Bou-Regreg Salé, Sidi Bouguet-taya, Quartier industriel Takaddoum, Marjane; Alaoui Slimani 2002, **AP**, Rabat-Salé; Trari et al. 2002; Faraj et al. 2003, **Rif**, Azib Bouflou, Azib Jrou, Imzouren, Amezzaourou, Tizi-Tamalout, **MA**, Aït Abdelsalam, Aït Lamfadel; Faraj et al. 2004, **Rif**, Azib Jrou, Tanghaya Akarkar, Amezzaourou, Ouled Nsar, **AP**, Fedalate, **MA**, Talaa Chougaga, Aïn Smen (Fès), Aït Lamfadel; Trari et al. 2004a, **Rif**, Larache; Trari et al. 2004b, **Rif**, Ketama, Gzenaya, Taounate, Bouzaghlal, Oued Laou, Smir (Merja), Béni Hassane, Azib Jrou, Azib Bouflou, **AP**, Laaouamra, Aarabat Sidi Abdelaziz, Moukaouama, Dar Belamri, Laksibia, Mgadid, Beggara, Rabat (Chellah), **MA**, Adouz, Rommani (Khémisset), Aït Abderrahmane, Aït Ishaq, Oulad Messoud, Ouled Fennane, El karma, Oulad Zguida, Oulad Abbou; Aouinty et al. 2006, **AP**, Moham-media; Himmi 2007, **Rif**, Bab Berred, Bab Taza, Tanakoub, **AP**, Skhirate, Maâmora, Oulja, Bouknadel, Sidi Azzouz, Tamaris, **MA**, Khémisset; Faraj et al. 2008a, **AP**, Laouamra, Boucharen, **MA**, Béni Khlef, Talaa Chougaga; Faraj et al. 2008b, **Rif**, Assoul, Mizgane; El Ouali Lalami et al. 2010b, **MA**, Fès; Faraj et al. 2010, **AP**, Begara, Boucharen, Ben Slimane, Skhirat, Rabat, Se-houl, **MA**, Sidi Allal Msader, Aïn Aghbal, Aïn Elouali, Sidi Kacem; Larhbali et al. 2010, **MA**, Aït Haddou Said; Adlaoui et al. 2011, **AP**, Larache; Larhbali et al. 2011, **MA**, Oulmès, Aït Yadin, Sfassif, Mâaziz, Rommani, Laghoualem, Ezzhiliga, Sidi Allal Bahraoui, Boukachmine, Aït Malek, Sidi Boukhalkhal, Bni Ounzar, Ganzra, Aït Siberne, Sidi Allal Msader, El Ghandour; El Ouali Lalami 2012, **MA**, Pont Diamant vert, Sidi Harazem, Oued El Himmer, Moulay Yakoub, Oued Sebou, Aïn Kansara, Oued Aïn Chkef, Sefrou, Boule-man; Laboudi et al. 2012, **AP**, Larache; Hadji et al. 2013, **AP**, Sidi Slimane; El Joubari et al. 2014, **Rif**, Smir lagoon; Laboudi et al. 2014, **Rif**, Tétouan, Tanger, Chefchaouen, Al Hoceima, **AP**, Larache, Salé, **MA**, Taza, Khémis-sat; El Joubari et al. 2015a, **Rif**, Smir lagoon; El Joubari et al. 2015b, **Rif**, Smir lagoon; Marc et al. 2016, **AP**, Kénitra; Trari 2017, **Rif**, Chefchaouen, Tétouan, **AP**, Larache, Rabat, Settât, **EM**, Oujda, **MA**, Khémisset, Meknès, Khouribga, **HA**, Marrakech, **AA**, Tiznit, Ouarzazate; Trari and Dakki 2017a, **Rif**, Chefchaouen, Tétouan, **AP**, Larache, Rabat, Settât, **EM**, Oujda, **MA**, Khémisset, Meknès, Khouribga, **HA**, Marrakech, **AA**, Tiznit, Ouarzazate; Trari and Dakki 2017b; Trari et al. 2017

Anopheles (Anopheles) marteri Senevet & Prunelle, 1927

Gaud 1945b, **MA**, El Hajeb, Khénifra, **HA**, Tizi-n'test, Tillougite; Gaud et al. 1949, **HA**, Tizi-n'test; Gaud 1953b, **HA**, Tizi-n'test; Bailly-Choumara 1967b, **EM**, Grotte du Zegzel; Bailly-Choumara 1967c, **Rif**, route Chaouen-Bab Taza, piste Bab Taza-Béni Ahmed, route Bab Taza-Bab Berred, piste Bab Taza-Asifane, piste Bab Berred-Tamorote, Ketama, route Ketama-Targuist, route nationale Jebha, Boured; Benmansour et al. 1972, **MA**, Taza; Trari 1991, **Rif**, Taounate; Himmi et al. 1995; Dakki 1997; Trari et al. 2002; Himmi 2007;

Trari 2017, **Rif**, Chefchaouen, **AP**, Settati; Trari and Dakki 2017a, **Rif**, Chefchaouen, **AP**, Settati; Trari and Dakki 2017b; Trari et al. 2017

Anopheles (Anopheles) ziemanni Grünberg, 1902

Senevet 1935, **MA**; Gaud et al. 1949, **HA**, plain of south and north of the Occidental Atlas; Gaud et al. 1950, **HA**, plain of south and north of the Occidental Atlas; Guy 1958, **HA**, Marrakech; Guy et al. 1958, **HA**, Oued N'fis; Guy 1967, **EM**, Oujda, **AP**, Rabat, **HA**, Marrakech, **AA**, Tafilelt; Bailly-Choumara 1970, **HA**, Marrakech; Benmansour et al. 1972, **MA**, Taza, **HA**, Haouz, Tadla Azilal; Bailly-Choumara 1973b, **HA**, Souk des Oudaias (Souk Tnine des Oudaias, 470 m); Trari 1991, **MA**, Tissa; Moussalim 1997, **AP**, 7.5 km de Sidi Allal Tazi; Trari et al. 2002; Trari et al. 2004b; Himmi 2007; Trari 2017, **Rif**, Tétouan, **AA**, Tiznit; Trari and Dakki 2017a, **Rif**, Tétouan, **AA**, Tiznit; Trari and Dakki 2017b; Trari et al. 2017

Anopheles (Cellia) cinereus Theobald, 1901

Viallate 1922, **MA**, Sefrou, Sidi Lamine, **HA**, Mtougui; Sicault et al. 1935, **AP**, Souk Larba of Gharb; Senevet 1935, **AP**, Souk Larba of Zemmour; Langeron 1938, **HA**, Anefgou, Tirghist, Valley of Sidi Yahia Ouyoussef, Tighermine, Louggouargh, Massou; Callot 1940, **HA**, Anefgou, Tirghist; Gaud 1945a, **Rif**, Meridional Rif, **EM**, Moulouya, **HA**, Marrakech, **AA**, Tansikht, valley de Sous; Gaud and Duthu 1945, **HA**, Marrakech; Viamonte and Ramirez 1945, **Rif**; Viamonte and Ramirez 1946, **Rif**; Ristorcelli 1946a, **HA**, Oued Tensift, Oued Issil; Ristorcelli 1946b, **HA**, Oued Tensift, Oued Issil; Gaud 1945b, **AA**, Tansikht; Gaud et al. 1949, **Rif**, Meridional Rif, **EM**, Moulouya, **HA**, Marrakech, **AA**, Tansikht, valley de Sous; Gaud et al. 1950, **Rif**, Meridional Rif, **EM**, Moulouya, **HA**, Marrakech, **AA**, Tansikht, valley de Sous; Gaud 1953a; Gaud 1958, **HA**, Marrakech; Guy 1962, **Rif**, Taounate, **HA**, Marrakech; Guy 1963, **MA**, Midelt, **AA**, Hamada of Draa; Bailly-Choumara 1965, **EM**, Aman d'Aït Oussa, Tiglit, El Megrinat, Taskala, Aïn Aït delouine, Oued mesdourt, Talmesdourt, Assa, **AA**, Aït Melloul, Oued Teima, Issen, Taroudant, Talaint, Tiznit, Oued Assaka, Anezi, Pont de la route Agadir-Tiznit, valley of low Draa, Taфраoute, Tacharicht, Bou Izakarn, Jemâa N'tirhirte, Aït Erkha, Tazert, Barrage Taourirt, **AA**, Goulmima, **SA**, Aouinet Torkoz, Tirh Mzoun; Bailly-Choumara 1966, **AA**, piste Foug Zguid-Lac Iriqui, Agadir-Tissint, Akka-Iguiren, Tirhem, Taoujgelt, Souk El Khémis Dades, Akka, Aït Ouabelli, Foug-el-Hassan, Tarhjicht, Aït melloul, Taliouine, Tazenakht (Rocade of Draa); Bailly-Choumara 1967a, **MA**, route Azrou-Khénifra, Jnane Imasse, piste Tafelchna-Taoujgelt, piste Tafelchna-Assoul, Sources Oum-er-Rbia, Itzer, piste Itzer-Boumia, Ouauoumana, piste Ghorm El Alem-El Ksiba, piste Naour-Arbala, Zaouia Cheich, kafensour, Ifrane, Imouzzar Marmoucha; Bailly-Choumara 1967b, **EM**, 7 km N Itzer, 8 km N Itzer, route Itzer-Midelt, Aïn Srouna, Gouttitir, Cascade Oued Za, Grotte du Zegzel, Douar Aïn Soultane, Mechraa Safsaf, Oujda, Berguent (valley of Moulouya), Figuig; Bailly-Choumara 1967c, **Rif**, Chaouen ville, route Chaouen-Bab Taza, Bab Taza, piste Bab Taza-Fifi,

piste Bab Taza-Talassemtane, piste Bab Taza-Béni Ahmed, route Bab Taza-Bab Berred, piste Bab Berred-Assifane, Anasar, piste Bab berred-Tamorote, Ketama, route Ketama-Targuist, route nationale Jebha, route Al Hoceima-Arba Taourirt, Arba Taourirt, Targuist et environs, route Targuist Al Hoceima, Jebha, Oued Ouergha, route Aknoul-Al Hoceima; Guy 1967, **AP**, Rabat, **EM**, Oujda, **HA**, Marrakech, **AA**, Tafilalet; Bailly-Choumara 1970, **HA**, Marrakech; Bailly-Choumara 1973b, **HA**, Souk des Oudaïas; Trari 1991, **Rif**, Al Hoceima, Chefchaouen, Taounate, **EM**, Nador, Oujda, Figuig, **AP**, Larache, Settat, Ben Slimane, **MA**, Khénifra, Taza, Khouribga, **HA**, Kelaâ of Sraghna, **AA**, Ouarzazate, Goulmima; Bouallam 1992, **HA**, Oued N'fis; Louah 1995, **Rif**, Marina Smir, Bouzerlal, Tahaddart, Stehat, Moulay Bouchta, Kebbach, Loubart, Oued Maggou; Louah et al. 1995; Bouallam et al. 1997b, **HA**, Marrakech; Handaq 1998, **HA**, Amizmiz, Tiguenziouine; Bouallam 2001, **HA**, Oued N'fis; Trari et al. 2002; Trari et al. 2004b, **Rif**, Ketama, Azib Jrou, Sidi Mokhfi, **MA**, Taghzirt, Aghbala, Aït Shak, Smaala, Mlalih, Ouled Fennane, Béni Khlef, Tachrafte; Faraj et al. 2007, **Rif**, Assoul, Mizgane; Himmi 2007, **Rif**, Bab Berred, Bab Taza, Stehat, Tanakoub; Faraj et al. 2008, **Rif**, Assoul, Mizgane; El Ouali Lalami et al. 2010a, **MA**, Fès; El Ouali Lalami et al. 2010b, **MA**, Oued El Himmer; Larhballi et al. 2010, **MA**, Roumani Aïn Sbite, Jamâa M. B., Ghoualem, Zhiliga, Oulmès, Tarmilate, Boukachmir, Mrirte, Aït Ichou, Mâaziz, Tiddas, Bni Ounzar, Ganzra; El Ouali Lalami 2012, **MA**, Oued El Himmer; Trari 2017, **Rif**, Chefchaouen, Tétouan, **MA**, Khouribga, **AA**, Tiznit; Trari and Dakki 2017a, **Rif**, Chefchaouen, Tétouan, **MA**, Khouribga, **AA**, Tiznit; Trari and Dakki 2017b; Trari et al. 2017; Mouatassem et al. 2019, **MA**, Fès

Anopheles (Cellia) dthali Patton, 1905

Saccà 1960, **AA**, Aoufous, Meski, Erfoud, Agdz, Zogora, Tagounit, Tamsruth; Guy 1961, **HA**, Sud de Zagora (en bordure Hamada du Draa); Guy 1963, **AA**, Zagora and south of the High Atlas (at edge of Hamada of Draa), Oued Ziz; Bailly-Choumara 1965c, **AA**, Tiznit, **EM**, Aïn Aït Delouine, Aouinet Torkoz, Rich Tamlougout (eastern borders of Jebel Bani); Bailly-Choumara 1966, **AA**, piste Fom Zguid au Lac Iriqui, Agadir-Tissint, Akka-Iguiren, Souk El Khémis Dades, Akka et Environs, Aït Ouabelli, Tarhjicht, piste Tazenakhte à Fom Zguid (Rocade du Draa); Bailly-Choumara 1967b, **EM**, valley of Moulouya; Guy 1967, **HA**, Marrakech, **AA**, Tafilalet; Guy and Holstein 1968, **EM**, N Outat El Haj (valley of Moulouya), Gouttitir (environs de Taourirt); Bailly-Choumara 1970, **AA**, Fom Zquid; Bailly-Choumara 1973b, **AA**, Fom Zquid; Himmi et al. 1995; Dakki 1997; Trari et al. 2002; Trari et al. 2004b; Faraj et al. 2007, **Rif**, Assoul, Mizgane (SE of Bab Berred); Faraj et al. 2008, **Rif**, Assoul, Mizgane (SE Bab Berred); Himmi 2007; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Anopheles (Cellia) multicolor Cambouliu, 1902

Messerlin and Treillard 1938, **HA**, Marrakech; Viamonte and Ramirez 1945, **Rif**; Guy 1963, **SA**; Bailly-Choumara 1965c, **EM**, Aït Oussa, Aman d'Aït

Oussa, Aïn Aït Delouine, Aouinet Torkoz, Rich tamlougout (Confins orientaux du Jebel Bani), **AA**, Tafnidilt, Guelta Zerga, Aïn Temda (valley of low Draa), Tirhmert (Goulmima), **SA**, Vallée et embouchure de l'Oued Assaka, Tantan ville, Tirh Mzoun; Bailly-Choumara 1966, **AA**, Rocade of Draa; Bailly-Choumara 1967b, **EM**, 40 km N de Outat El Haj, Gouttitir, Cascade Oued Za, Douar Aïn Shebbak (valley of Moulouya); Guy 1967, **HA**, Marrakech, **AA**, Tafilelt; Guy and Holstein 1968, **HA**, south of Atlas, **AP**, plain located between Marrakech and the Atlantic from Tanger along the length of the Mediterranean; Bailly-Choumara 1970, **AA**, Fom Zquid; Bailly-Choumara 1973b, **AA**, Fom Zquid; Metge 1986, **AP**, Casablanca; Trari 1991, **Rif**, Al Hoceima, Taounate, Oued Maleh, Bab Berred, **AP**, Tamaris Merja, **AA**, Ouarzazate; Himmi et al. 1995; Dakki 1997; Trari et al. 2002; Trari et al. 2004b; El Joubari et al. 2014, **Rif**, Smir lagoon; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Anopheles (Cellia) sergentii (Theobald, 1907)

Séguy 1930a; Messerlin and Treillard 1938, **HA**, Tamelelt; Langeron 1938, **Rif**, Targhist; Callot 1940, **AA**, Taghjicht; Gaud 1947c, **AA**, Wadi Draa; Gaud et al. 1949, **Rif**, Zoumi, **HA**, Zaouia Sidi Hamza, Tizi-n'test (1700 m), Tillouguit (1800 m); Gaud et al. 1950, **Rif**, Zoumi, **MA**; Guy et al. 1958, **HA**, Oued N'fis; Guy 1961, **Rif**, **AP**, south of Casablanca, **AA**, Sud de Zagora; Guy 1962, **Rif**, **AP**, south of Casablanca, **HA**, Marrakech; Guy 1963, **Rif**, Tanger, **EM**, Berkane, **AP**, south of Casablanca, **MA**, Béni Mellal, **HA**, Oued Tensift, Oued Ziz, Marrakech, Chichaoua, **AA**, Oued Draâ, Oued Dades, Goulmima, sud de Zagora, **SA**, Fom Zquid; Bailly-Choumara 1965c, **EM**, iglit, Aman d'Aït Oussa, Oued Isker, El Megrinat, Aïn Aït Delouine, Oued Mesdourt, almesdourt, Aouinet Torkoz, Bouanama, Rich Tamlougout, Assa, **AA**, Tiznit, Tafraoute, Oued Izi, Bou Izakarn, Abeino (region of Goulmima), **SA**, Aouzeroual, Tirhmert, Tacharicht, Jebel Bani, Tantan; Bailly-Choumara 1966, **AA**, Rocade of Draa, Taliouine; Bailly-Choumara 1967a, **Rif**, **AP**, south of Casablanca, **MA**, Itzer, Ghorm El Alem, Zaouia Cheikh, Kafensour, **HA**, north of High Atlas; Bailly-Choumara 1967b, **EM**, Aïn Srouna, Grotte du Zegzel, Douar Mardarh, Douar Aïn Soultane, Merja Boubker, Selouane, Driouch (valley of Moulouya); Bailly-Choumara 1967c, **Rif**, route nationale Jebha, Targuist-Béni Boufrah, Al Hoceima, Béni Bouayache, Marchica, Had El Rouadi, Pont du Srah; Guy 1967, **HA**, Marrakech, **AA**, Tafilelt; Guy and Holstein 1968, **AP**, Casablanca; Bailly-Choumara 1970, **EM**, Berkane, **HA**, Marrakech; Bailly-Choumara 1973b, **EM**, Berkane, **HA**, Marrakech; Metge 1986, **AP**, Casablanca; Trari 1991, **Rif**, Al Hoceima, Taounate, **AP**, Larache, **AA**, Ouarzazate; Himmi et al. 1995; Dakki 1997; Trari et al. 2002; Faraj et al. 2003, **Rif**, Al Hoceima, Chefchaouen, Taounate, **HA**, Khouribga; Trari et al. 2004b, **Rif**, Ketama, Sidi Mokhfi; Faraj et al. 2007, **Rif**, Assoul, Mizgane; Faraj et al. 2008, **Rif**, Assoul, Mizgane; El Ouali Lalami et al. 2010a, **MA**, Fès; Larhbaliet al. 2010, **MA**, Oulmès, Ganzra; Trari 2017, **Rif**, Chefchaouen,

Tétouan, **EM**, Oujda, **MA**, Khouribga; Trari and Dakki 2017a, **Rif**, Chefchaouen, Tétouan, **EM**, Oujda, **MA**, Khouribga; Trari and Dakki 2017b; Trari et al. 2017; Benabdelkrim Filali et al. 2018; Mouatassef et al. 2019, **MA**, Fès

Culicinae

Aedini

Aedes Meigen, 1818

Aedes (*Acartomyia*) *mariae* (Sergent & Sergent, 1903)

Séguy 1930b; Messerlin 1938, **AP**, Rabat; Séguy 1930a, **Rif**, littoral méditerranéen; Bailly-Choumara 1967b, **Rif**, Al Hoceima; Bailly-Choumara 1967c, **Rif**, Al Hoceima; Bailly-Choumara 1968a, **Rif**, Al Hoceima, **AP**, Larache, Sidi Yahia, Sidi Allal Tazi, Rabat, **HA**, Marrakech, **AA**, Tiznit; Himmi et al. 1995; Mestari 1997, **AP**, Mohammedia; Moussalim 1997, **AP**, Sidi Allal Tazi; Trari et al. 2002; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Aedes (*Aedimorphus*) *vexans* (Meigen, 1830)

Gaud 1947c, **AP**, Sidi Allal Tazi, **MA**, Khémisset; Metge 1986, **AP**, Littoral Casablanca; Himmi et al. 1995; Handaq 1998, **AP**, Gharbia; Dakki 1997; Trari et al. 2002; El Ouali Lalami et al. 2010a, **MA**, Fès; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Aedes (*Dahlia*) *echinus* (Edwards, 1920)

Séguy 1924; Séguy 1930a; Gaud 1953a, **AP**, Rabat, Sidi Yahia, **MA**, Moulay Bouazza, Taza, Fès, Meknès, Ifrane; Bailly-Choumara 1965b, **AP**, Maâmora; Bailly-Choumara 1967c, **Rif**, piste Bab Taza-Talassemtane; Himmi et al. 1995; Trari et al. 2002; Nikookar et al. 2010; El Joubari et al. 2014; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Aedes (*Dahlia*) *geniculatus* (Olivier, 1791)

Séguy 1924, **MA**; Séguy 1930a; Metge and El Alaoui 1987, **AP**, Subéraies de Béni Abid-Benslimane (Casablanca); Metge and Belakoul 1989, **AP**, Sidi Bettache; Himmi et al. 1995; El Ouali Lalami et al. 2010a, **MA**, Fès Boulmane; Trari et al. 2002; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Aedes (*Ochlerotatus*) *berlandi* (Séguy, 1921)

Séguy 1930a, **AP**, Rabat; Gaud 1953a, **MA**, Fès; Bailly-Choumara 1967a, **MA**, Jnane Imasse, piste Tafchna-Taoujgelt; Bailly-Choumara 1967c, **Rif**, piste Bab Taza-Béni Ahmed; Belakoul 1985, **AP**, Benslimane, Sidi Bettache; Metge and El Alaoui 1987, **AP**, Casablanca; Metge and Belakoul 1989, **AP**, Benslimane, Sidi Bettache; Trari et al. 2002; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Aedes (*Ochlerotatus*) *caspius* (Pallas, 1771)

Séguy 1930b; Viamonte et Ramirez 1946, **AP**, Larache; Gaud 1952, **AP**, Rabat, Casablanca; Gaud 1953a, **AP**, Rabat, Casablanca; Senevet and Andarelli 1954, **EM**, Embouchure de la Moulouya, Figuig, **AP**, Jorf Lasfar, Mohammedia, Rabat, **MA**, Meknès, Fès, Taza, **HA**, Marrakech, Midelt, **AA**, Tiznit;

- Bailly-Choumara 1966, **AA**, environs de Tiznit; Bailly-Choumara 1967a, **EM**, Bords Moulouya (près Itzer), Cherarba; Bailly-Choumara 1967b, **EM**, Cherarba, Aïn Shebbak, Saidia, Berguent; Bailly-Choumara 1967c, **Rif**, piste Al Hoceima-Arba Taourirt; Bailly-Choumara 1972a, **AP**, Merja Sheishat; Bailly-Choumara 1973b, **Rif**, Merja de l'Oued Smir; El Kaim 1972, **AP**, Bou-Regreg; Rioux et al. 1975, **AP**, Rabat-Salé; Metge 1986, **AP**, Littoral casablancais; Himmi 1991, **AP**, Sidi Boughaba; Trari 1991, **AP**, Sidi Boughaba, Merja Zerga, Oued Loukous; Himmi et al. 1995; Mestari 1997, **AP**, Mohammedia; Moussalim 1997, **AP**, Sidi Allal Tazi, Kénitra; Ramdani 1997, **AP**, Tamaris Merja; Handaq 1998, **AP**, Zemamra, B. Iffou (Entre El Oualidia et Youssoufia), **MA**, Béni Mellal, **HA**, Marrakech, Zaouiet Ben Sassi, Bengrir; Himmi et al. 1998, **AP**, Sidi Boughaba; Trari et al. 2002; Himmi 2007, **AP**, Sidi Boughaba; Alaoui Slimani 2002, **AP**, Rabat; Aouinty et al. 2006, **AP**, Mohammedia; El Joubari et al. 2014, **Rif**, Smir lagoon; El Joubari et al. 2015a, **Rif**, Smir lagoon; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017
- Aedes (Ochlerotatus) coluzzii* Rioux, Guilvard & Pasteur, 1998 et *Aedes (Ochlerotatus) detritus* (Haliday, 1833) [Complexe detritus]
- Charrier 1924, **Rif**, Tanger; Séguy 1930a; Gaud 1953a, **EM**, Saidia, **AP**, Kénitra, Rabat, Bouznika, El jadida, Oualidia, **HA**, Marrakech, **AA**, Agadir, Tafnidilt; Bailly-Choumara 1965c, **EM**, Aïn Aït delouine, **SA**, Tihmert; Bailly-Choumara 1970, **Rif**, Tétouan; Knight 1971, **AP**, Kénitra; El Kaim 1972, **AP**, Bou-Regreg; Bailly-Choumara 1973b, **Rif**, Merja de l'Oued Smir; Rioux et al. 1975, **AP**, Rabat; Pasteur et al. 1978, **AP**, Bou-Regreg; Metge 1986, **AP**, Littoral casablancais; Himmi 1991, **AP**, Sidi Boughaba; Trari 1991, **AP**, Sidi Boughaba, Merja Zerga, Oued Loukous; Louah 1995, **Rif**, Tres piedras, Cabo Negro, Lajour, Azla, Tahaddart; Himmi et al. 1995; Louah et al. 1995; Mestari 1997, **AP**, Mohammedia; Moussalim 1997, **AP**, Sidi Allal Tazi, Rabat; Ramdani 1997, **AP**, Tamaris Merja; Handaq 1998, **AP**, Essaouira, Zima-Chemaïa; Himmi et al. 1998, **AP**, Sidi Boughaba; Himmi 2007, **AP**, Sidi Boughaba; Alaoui Slimani 2002, **AP**, Rabat; Trari et al. 2002; El Joubari et al. 2014, **Rif**, Smir lagoon; El Joubari et al. 2015a, **Rif**, Smir lagoon; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017
- Aedes (Ochlerotatus) pulchritarsis* (Rondani, 1872)
- Gaud 1953a, **AP**, Benslimane, Sidi Yahia, Rabat, **MA**, Oued Zem, Khénifra, Fès; Metge and El Alaoui 1987, **AP**, Benslimane; Himmi et al. 1995; Trari et al. 2002; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017
- Aedes (Rusticoides) rusticus* (Rossi, 1790)
- Viamonte and Ramirez 1946, **Rif**, Tétouan, **AP**, Larache; Gaud 1953a, **MA**, Taza; Himmi et al. 1995; Handaq 1998, **HA**, Bengrir; Trari et al. 2002; El Ouali Lalami et al. 2010a, **MA**, Fès; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017
- Aedes (Stegomyia) aegypti* (Linnaeus in Hasselquist, 1762)
- d'Anfreville 1916, **AP**, Salé; Vialatte 1923, **AP**, Rabat, Casablanca, **HA**, Marrakech; Charrier 1924, **Rif**, Tanger; Gaud 1953a, **AP**, Salé, **HA**, Marrakech;

Himmi et al. 1995; Dakki 1997; Handaq 1998, **HA**, Bengrir; Trari et al. 2002; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Aedes (Stegomyia) albopictus (Skuse, 1895)

Bennouna et al. 2016, **AP**, Agdal (Rabat); Trari 2017; Trari and Dakki 2017b; Trari et al. 2017; Faraj et al. 2018; Amraoui et al. 2019

Culicini

Culex Linnaeus, 1758

Culex (Barraudius) modestus Ficalbi, 1889

Séguy 1930a; Bailly-Choumara 1968a, **AP**, Larache; Trari 1991, **AP**, Gharb; Himmi et al. 1995; Dakki 1997; Handaq 1998, **HA**, Bengrir; Trari et al. 2002; Himmi 2007, **Rif**, Bab Berred, **AP**, Maâmora; Hadji et al. 2013, **AP**, Sidi yahia du Gharb, Kcebia, Sidi Hagouch (Sidi Slimane); Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Culex (Culex) brumpti Galliard, 1931

Bailly-Choumara 1968a, **AP**, Merja Bokka, Larache, **HA**, Marrakech; Bailly-Choumara 1972a, **AP**, Merja Sheishat; Himmi et al. 1995; Dakki 1997; Himmi 2007; Trari et al. 2002; El Ouali Lalami et al. 2010a, **MA**, Fès; El Joubari et al. 2014, **Rif**, Smir lagoon; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Culex (Culex) laticintus Edwards, 1913

Charrier 1924, **Rif**, Tanger; Callot 1940, **AA**, Goulmima (mares); Gaud 1953a, **HA**, Marrakech, **AA**, Agadir; Gaud 1957a, **EM**, Nador; Bailly-Choumara 1965c, **EM**, Oued Isker, Aïn Aït delouine, Talmesdourt, **AA**, Ouled Teima, ounaamane, Bou Izakarn, Agunil Khnufa, Akka-guiren; Bailly-Choumara 1966, **AA**, Akka-Iguiren, Tirherm, Taoujgelt, Aït Ouabelli, Anamere-Smougue, Aït melloul, Tiznit (Rocade de Draa); Bailly-Choumara 1967b, **Rif**, Béni Bouayache, Targuist et environs, **EM**, Grotte du Zegzel; Himmi et al. 1995; Dakki 1997; Trari et al. 2002; Himmi 2007, **AP**, Skhirat; Faraj et al. 2008b, **AP**, Louamra; Hadji et al. 2013, **AP**, Sidi Hagouch (Sidi Slimane); Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Culex (Culex) mimeticus Noè, 1899

Séguy 1930a; Viamonte and Ramirez 1946, **Rif**, Béni Ider, Fnideq, Khemis Anjra, Ketama, Oued Amsa, Oued Krikra, Oued Martil, Oued Laou; Gaud 1953a, **Rif**, Ouezzane, Ghafsai, **EM**, Berkane, Martinpray (près Berkane), El Aïoun Sidi Mellouk, **AP**, Tamri, **MA**, Meknès, Fès, Ifrane, Taza, Béni Mellal, **HA**, Midelt, Marrakech, Azilal, **AA**, Tinghir, Tichka; Guy et al. 1958, **HA**, Oued N'fis; Bailly-Choumara 1965c, **AA**, Oued Noun, Anezi, Tafraoute; Bailly-Choumara 1966, **AA**, Agadir; Bailly-Choumara 1967a, **MA**, route Azrou-Khénifra, piste Tafelgha-Taoujgelt, Source Oumerrbia, Ghorm El Alem, piste Ksiba-Naour, piste Naour-Arbala, Zaouia Cheikh, Oued Sarif; Bailly-Choumara 1967b, **EM**, 7 km N d'Itzer, 8 km d'Itzer; Bailly-Choumara 1967c,

Rif, route Chaouen-Bab Taza, Bab Taza, piste Bab Taza-Fifi, piste Bab Taza-Talassemtane, piste Bab Taza-Béni Ahmed, route Bab Taza-Bab Berred, piste Bab Taza-Asifane, piste Bab Berred-Tamorote, Ketama, piste Ketama-Jebel Tidighine, route Ketama-Targuist, route nationale Jebha, Al Hoceima, Béni Bouayache, Marchica, Targuist et environs, Jebha, Boured; Trari 1991, **AP**, Sidi Yahia du Gharb; Himmi et al. 1995; Louah 1995, **Rif**, Riffien, Tres piedras, Marina Smir, Bouzaghlal, M'diq, Oued Maleh, Azla, Tahaddart, Moulay Bouchta, Schroda, Kebbache, Talambote, Oued Maggou; Louah et al. 1995; Chlaida 1997, **AP**, Oued Sidi Messoud, Aïn Blal, Douar Chlihat, Barrage Al Massira; Chlaida and Bouzidi 1995, **AP**, Barrage El Massira; Dakki 1997; Ramdani 1997, **AP**, Skhirat, Tamaris Merja; Handaq 1998, **HA**, Oukaïmeden, Amizmiz, Tiguenziouine (près Oued N'fis); Trari et al. 2002; Himmi 2007, **Rif**, Bab Berred, **AP**, Bouknadel, Douar jdidi (Skhirat); El Ouali Lalami et al. 2010a, **MA**, Fès; Larhballi et al. 2010, **MA**, Oulmès; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Culex (Culex) perexiguus Theobald, 1903

Séguy 1930a; Callot 1940, **AA**, Assa; Senevet and Andarelli 1959a, **EM**, Oujda, Taourirt, **AP**, Aïn el Aouda, Arbaoua, Had Kourt, Oued Beht, Rabat, Allal Tazi, Oued Sahli, Zaouia Ech cheikh, Taghzirt, **MA**, Béni Mellal, Foum Zabel, Ifrane, Meknès, Aït Atta du Rteb, Fès, Sidi Mokhfi, Tahala, **HA**, Tazert, Midelt, **AA**, akka, Tamri; Bailly-Choumara 1965c, **EM**, Assa; Bailly-Choumara 1966, **AA**, Souk El Khémis Dades, Aït Ouabelli, Tarhjicht, Tirherm, Taoujgelt, Aït melloul; Bailly-Choumara 1967a, **MA**, piste Tafetchna-Taoujgelt, piste Tafetchna-Assoul, Ajdir; Bailly-Choumara 1967b, **EM**, Madagh, Merja Boubker, Aïn Béni Mathar; Bailly-Choumara 1967c, **Rif**, piste Bab Taza-Fifi, piste Bab Taza-Talassemtane, piste Bab Taza-Béni Ahmed, route Bab Taza-Bab Berred, Anasar, piste Bab Berred-Tamorote, Ketama, route Ketama-Targuist, route nationale Jebha, Béni Bouayache, Targusit et environs; Bailly-Choumara 1972a, **AP**, Merja Sheishat; Louah 1995, **Rif**, Riffien, Tres piedras, Marina Smir, Bouzeghlal, Oued Maleh, Tahaddart, Talembote, Schroda, Tanger; Louah et al. 1995; Mestari 1997, **AP**, Mohammedia; Moussalim 1997, **AP**, Sidi Allal Tazi, El Oulja, Fouarate; Ramdani 1997, **AP**, Skhirat, Tamaris; Handaq 1998, **HA**, Marrakech, entre Oued N'fis et Chichaoua, Kelaâ Sraghna; Alaoui Slimani 2002, **AP**, Rabat, Salé; Trari et al. 2002; Himmi 2007, **Rif**, Bab Berred, Bab Taza; Faraj et al. 2008c, **AP**, Larache Louamra; El Ouali Lalami et al. 2010a, **MA**, Fès; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017; Mouatassem et al. 2019, **MA**, Fès

Culex (Culex) pipiens Linnaeus, 1758

d'Anfreville 1916, **AP**, Salé; Charrier 1924, **Rif**, Tanger; Séguy 1930a; Callot 1940, **SA**, Goulimine; Viamonte and Ramirez 1946, **Rif**, Boudinar, Dar Benkarrich, Tétouan, Tanger, Asilah, Ksar El Kébir, Chefchaouen, Ketama, Nador; Gaud 1952, **AP**, Gharb; Séguy 1953a, **SA**, Tindouf; Guy 1958, **HA**, Oued N'fis; Guy et al. 1958, **HA**, Oued N'fis; Bailly-Choumara 1965c, **EM**,

Aouinet Aït Oussa, Aïn Isker, Aïn Aït Delouine, Oued Mesdourt, Talmesdourt, Toudi, **AA**, Aït Onmar, Oulad Teima, Taroudant, Tiznit ville, Talaint, Hassi Tafnidilt, Zaouiat Cheikh, Aïn Guerzim, Tafraout ville, **SA**, Goulimine ville, Vallée de l'Oued Assaka, Ouaroun, Zriouila, Labyar, Tighmert, Abeino, Tantan ville, Zag; Bailly-Choumara 1966, **AA**, piste d'Akka au Draa, Akka et environs, Aït Ouabelli, Anamere-Smougue, Tarhjicht, Aït Melloul, Tiznit et environs; Bailly-Choumara 1967a, **MA**, route Azrou-Khénifra, piste Tafetchna-Taoujgelt, piste Tafetchna-Assoul, maison forestière Ouiouane, piste Tafetchna-Senoual-Itzer, Ajdir, Itzer, piste Itzer-Boumia, Ghorm El Alem, Ghorm El Alem-El Ksiba, El Ksiba, piste Ksiba-Naour, Zaouia Cheikh, Oued Sarif, Dayet Aoua, Pont Tarmilate, Ifrane, Imilchil; Bailly-Choumara 1967b, **EM**, route Itzer-Midelt, Gaada de Debdou, Guercif ville, Cascade Oued Za, Grotte du Zegzel, Environs Saidia, Douar Aïn Shebbak, Douar Aïn Zabia, Douar Mardarh, Douar Sidi Hashas, Saidia, Merja Boubker, Berguent, Tendrara, Figuig; Bailly-Choumara 1967c, **Rif**, Chaouen ville, route Chaouen-Bab Taza, piste Bab Taza-Talassemtane, piste Bab Taza-Béni Ahmed, route Bab Taza-Bab Berred, Anasar, piste Bab Berred-Tamorote, Ketama, route Ketama-Targuist, route nationale Jebha, Al Hoceima, Al Hoceima Club Med, Béni Bouayache, Marchica, Targuist et environs, Jebha, Ghafsai; Bailly-Choumara 1972a, **AP**, Merja Sheishat; Bailly-Choumara 1973b, **AP**, Merja Bokka, Merja Qodiya; Metge and Belakoul 1989, **AP**, Benslimane, Sidi Bettache; Himmi 1991, **AP**, Sidi Boughaba, Sidi Amira; Trari 1991, **AP**, Maâmora, El Menzeh, Sidi Boughaba, Chkaïfien, Sidi Yahia du Gharb, Bokka, Merja Zerga, Sidi Allal Tazi, Oued Loukous, Aïn Chouk, Merja Bargha, Merja Oulad Skhar; Bouallam and Ramdani 1992, **HA**, Marrakech; El Bermaki 1993, **AP**, Sidi Maârout; Himmi et al. 1995; Louah 1995, **Rif**, Fnideq, Riffien, Tres piedras, Marina Smir, M'diq, Cabo Negro, Zekri, Azla, Tahaddart, Schroda, Kebbach, Ouadras, Punta cirres, Sidi Kankoch, Oued Kbir; Louah et al. 1995; Bouallam et al. 1997b, **HA**, Marrakech; Dakki 1997; Mestari 1997, **AP**, Mohammedia; Himmi et al. 1998, **AP**, Sidi Boughaba, Puits de Sidi Amira (forest of Maâmora); Moussalim 1997, **AP**, El Oulja, Maâmora, Fouarate, Sidi Boughaba; Ramdani 1997, **AP**, meseta côtière (Témara-Casablanca); Faraj et al. 1997, **AP**, Kénitra; Handaq 1998, **AP**, Zemamra, **MA**, Oued Zem, **HA**, Marrakech, Zaouiet Ben Sassi, Sidi Bou Othmane, Kelaâ Sraghna, Bengrir; Bouallam 2001, **HA**, Marrakech; Alaoui Slimani 2002, **AP**, Rabat; Trari et al. 2002; Aouinty et al. 2006, **AP**, Mohammedia; Faraj et al. 2006, **AP**, Salé; Himmi 2007, **Rif**, Bab Berred, Bab Taza, Stehat, **AP**, Skhirate, forest of Maâmora, forest of Hilton, Sidi Boughaba, El Oulja, Ouled Salem, Ouled dlim, Douar Ould Yahia Ben Ali, Larouaza, Douar Elarja, Douar Jdid, Douar Jnaja; Faraj et al. 2008b, **AP**, Louamra; El Ouali Lalami et al. 2010a, **MA**, Fès; Larhbali et al. 2010, **MA**, Oulmès, Tarmilate, Bni Ounzar, Ganzra; Louali Lalami et al. 2010b, **MA**, Oued El Himmer; Amraoui 2012, **HA**, Marrakech; Amraoui et al. 2012, **Rif**, Tanger, **AP**, Mohammedia, Casablanca, **HA**, Marrakech; Am-

raoui et al. 2012, **AP**, Mohammedia, Casablanca; El Ouali lalami 2012, **MA**, route de Sidi Harazem; Hadji et al. 2013, **AP**, Sidi Slimane; El Joubari et al. 2014, **Rif**, Smir lagoon; El Joubari et al. 2015a, **Rif**, Smir lagoon; Marc et al. 2016, **AP**, Kénitra; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017; Bkhache et al. 2018, **Rif**, Tanger, **AP**, Rabat, Mohammedia, **HA**, Marrakech; Tmimi et al. 2018, **AP**, Mohammedia; Mouatassem et al. 2019, **MA**, Fès

Culex (Culex) simpsoni Theobald, 1905

Callot 1940, **AA**, Taghicht; Senevet et al. 1949, **AA**, Oued Noun, Tafnidelt, Akka; Gaud 1953a, **AA**, Imsouane, Aït Melloul, Akka, O’Noun, Taghjicht, Assa, Tafnidilt; Bailly-Choumara 1965c, **EM**, Aman d’Aït Oussa, El Megrinat, **AA**, Oued Izi, Oued Massa-Pont de la route Agadir-Tiznit, Guelta Zerga, Tafnidilt, **SA**, Poste militaire de Boujrid, Tirhmert, Taourirt-Barrage, Aouinet Torkoz; Bailly-Choumara 1966, **AA**, Tirherm, Taoujgelt, Taghjicht, Aït melloul, Tiznit; Chlaida and Bouzidi 1995, **AP**, Sidi M’barek, Oued Sidi Messoud, Mechrâa, Sidi Boulâarais, Douar Chlihat (south of Settât); Chlaida 1997, **AP**, Sidi M’barek, Mechrâa Settir, Sidi Boulâarais, Douar Chlihat (south of Settât); Dakki 1997; Handaq 1998, **HA**, Sidi Bou Othmane (Marrakech); Trari et al. 2002; Himmi 2007, **Rif**, Bab Berred, **MA**, Khémisset, **AA**, sud Anti Atlas; El Ouali Lalami et al. 2010a, **MA**, Fès; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Culex (Culex) theileri Theobald, 1903

Callot 1940, **AA**, Taghjicht; Viamonte and Ramirez 1946, **Rif**, Dar Benkarich, Boudinar, Ketama, Tanger, Tétouan, Chefchaouen, **AP**, Larache; Guy 1958, **HA**, Oued N’fis; Guy et al. 1958, **HA**, Oued N’fis; Bailly-Choumara 1965c, **EM**, Aouinet Aït Oussa, Aïn Oumesdour, Aouinet Torkoz, **SA**, Tirh Mzoun; Bailly-Choumara 1966, **AA**, Souk El Khémis Dades, Akka et environs, Aït Melloul, Tazenakhte, piste Tiznit-Taфраout, **SA**, Goulimine; Bailly-Choumara 1967a, **MA**, piste Tafchna-Taoujgelt, piste Tafchna-Assoul, Aguelmane Azigza, piste Aguelmane Azigza-Aïn Leuh, maison forestière Ouiouane, Khénifra, piste Tafchna-Senoual-Itzer, Ajdir, Itzer, Col du Zad, piste Itzer-Boumia, Ghorm El Alem, piste Ghorm El Alem-El Ksiba, El Ksiba, piste Ksiba-Naour, Aguelmane Moulay Yakoub, Zaouia Cheich, Kafensour, Dayet Aoua, Pont Tarmilate; Bailly-Choumara 1967b, **EM**, route Itzer-Midelt, 40 km N Outat El Haj, Taourirt, Driouch, Figuig; Bailly-Choumara 1967c, **Rif**, piste Bab Taza-Fifi, piste Bab Taza-Talassemtane, route Bab Taza-Bab Berred, Anasar, piste Bab Berred-Tamorote, Ketama, route Ketama-Targuist, Arbaa Taourirt, Al Hoceima, Targuist et environs, Ghafsai; Bailly-Choumara 1972a, **AP**, Merja Sheishat; Bailly-Choumara 1973b, **AP**, Merja Sheishat, Merja Bokka; Himmi 1991, **AP**, Sidi Boughaba, El menzeh, Sidi Amira; Trari 1991, **AP**, Maâmora, Oued Sebou, Bordure Oued Loukous, Sidi Yahia du Gharb, Bokka, Entre Moulay Bousselham et Larache, Merja Zerga, Larache; El Bermaki 1993, **AP**, Sidi Maârout, El Oulfa; Louah 1995, **Rif**, Bouzeghlal, M’Diq, Oued Maleh, Zekri, Lajour, Tahaddart, Loubart, Chefchaouen, Tanger; Himmi et al. 1995;

Louah et al. 1995; Dakki 1997; Mestari 1997, **AP**, Mohammedia; Moussalim 1997, **AP**, Sidi Allal Tazi, Maâmora, Rabat, Kénitra; Ramdani 1997, **AP**, Skhirat, Tamaris; Handaq 1998, **AP**, Zemamra, **MA**, Béni Mellal, **HA**, Oukaïmeden, Amizmiz, Tiguenziouine, Marrakech, Sidi Bou Othmane, Seguarta-Kelaâ, Had Mhara, Aïn Äounate, Bengrir; Himmi et al. 1998, **AP**, Sidi Boughaba, Dayat d'El Menzeh (north east of Kénitra), Gharb; Alaoui Slimani 2002, **AP**, Rabat; Trari et al. 2002; Himmi 2007, **Rif**, Bab Berred, Tanakoub, **AP**, Skhirate, forest of Maâmora, Chiahna, Sidi Amira, Sidi Boughaba, Bouknadel, Sidi Azzouz, Ehssaïne, Bettana, Sidi Yahia, Sebbah, Larouaza, Douar Elarja, Douar Jdid, Douar Jnaja; Faraj et al. 2008b, **AP**, Larache Louamra; El Ouali Lalami et al. 2010a, **AP**, Boucharen; Larhballi et al. 2010, **MA**, Roumani, Aïn Sbite, Ezzhiliga, Oulmès, Tarmilate, M'rirt, Bni Ounzar, Ganzra (Khémisset); Hadji et al. 2013, **AP**, Sidi yahia du Gharb, Kcebia, Sidi Hagouch, Dar Belamri (Sidi Slimane); El Joubari et al. 2014, **Rif**, Smir lagoon; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017; Mouatassef et al. 2019, **MA**, Fès

Culex (Maillotia) deserticola Kirkpatrick, 1925

Gaud 1947c, **AA**, Tansikht; Gaud 1953a, **EM**, Figuig, Berguent, Anoual, Boudnib, Aïn Chair, Aoufous, Tarhit, **HA**, Tazenakht, Tichka, Tizi-n'Telghemt, **AA**, Ouarzazate, Zagora; Bailly-Choumara 1965c, **EM**, Oued Isker, El Megrinat, Taskala, Aïn Aït Delouine, Talmesdourt, Aouinet Torkoz, Bouanama, Rich Tamlougout, Assa, **AA**, Taфраout ville, Oued Jemâa Idaousmaal, Aït abdallah, Issedrim Igmur Igues, **SA**, Vallée de l'Oued Assaka, Tacharicht, Bou Izakarn, Aïn Erkha; Chlaida and Bouzidi 1995, **AP**, Sud de Settat; Himmi et al. 1995; Chlaida 1997, **AP**, Barrage Al Massira; Dakki 1997; Trari et al. 2002; Himmi 2007; El Ouali Lalami et al. 2010a, **MA**, Fès; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Culex (Maillotia) hortensis Ficalbi, 1889

Charrier 1924, **Rif**, Tanger; Séguy 1930a; Langeron 1938, **HA**, Tounfite; Calot 1940, **HA**, Anefgou (2500 m), Tirghist (2500 m), Tighermine (2500 m); Gaud 1953a, **HA**, Tizi-n'Telghemt, Tizi-n'Tichka; Bailly-Choumara 1967a, **MA**, piste tafelna-Znan Imes, Khénifra, piste Tafelna-Senoual-Itzer, Ajdir, Itzer, Ghorm El Alem, El Ksiba, piste Ksiba-Naour, Piste Naour-Arbala, piste Arbala-El Kbab, Zouia Cheikh, Oued Sarif, Ifrane, Boulmane, Imilchil; Bailly-Choumara 1967b, **EM**, Taфраout, Grotte du Zegzel; Bailly-Choumara 1967c, **Rif**, Chaouen ville, route Chaouen-Bab Taza, Bab Taza, piste Bab Taza-Fifi, piste Bab Taza-Talassemtane, piste Bab Taza-Béni Ahmed, route Bab Taza-Bab Berred, piste Bab Berred-Tamorote, route Bab Berred-Ketama, Ketama, piste Ketama-Mt Tiguidin, route nationale Jebha, route Targuist-Béni Boufrah, Trari 1991, **AP**, Gharb; El Bermaki 1993, **AP**, Casablanca; Himmi et al. 1995; Louah 1995, **Rif**, Riffien, Marina Smir, M'diq, Oued Maleh, Lajour, Tahaddart, Schroda, Talembote, Bab Berred, Punta Cirres, Sidi Kankoch, Oued kbir, Oued Jebel Lehib; Louah et al. 1995; Chlaida and Bouzidi 1995, **AP**, Barrage Al Massira; Chlaida 1997, **AP**, Barrage Al Massira; Dakki 1997; Ramdani

1997, **AP**, Skhirat, Tamaris; Handaq 1998, **HA**, Amizmiz, Sidi Bou Othmane, Had Mhara, Bengrir; Trari et al. 2002; Himmi 2007, **Rif**, Bab Berred, Bab Taza, **AP**, Skhirate; El Ouali Lalami et al. 2010b, **MA**, Oued Fès, Oued El Himmer, Camping Sidi Harazem; Larhbali et al. 2010, **MA**, Merchouch, Ghoualem, Ezzhiliga, Oulmès, Tarmilate, M'rirt, Bni Ounzar, Ganzra (Khémisset); El Ouali Lalami 2012, **MA**, Oued Fès; Oued El Himmer, route de Sidi Harazem, Camping Sidi Harazem; Hadji et al. 2013, **AP**, Sidi Yahia du Gharb, Kcebia, Sidi Hagouch, Dar Belamri, Lalla Itto, Soualem (Sidi Slimane); Trari 2017; Trari and Dakki 2017b; Trari et al. 2017; Mouatassem et al. 2019, **MA**, Fès

Culex (Neoculex) impudicus Ficalbi, 1890

Charrier 1924, **Rif**, Tanger; Séguy 1930a; Bailly-Choumara 1966, **AA**, Taliouine; Bailly-Choumara 1967a, **MA**, route Azrou-Khénifra, piste Tafegna-Senoual-Itzer, Itzer, piste Naour-Arbala, Zaouia Cheikh, Pont Tarmilate; Bailly-Choumara 1967b, **EM**, route Itzer-Midelt, Cascade Oued Za, Grotte du Zegzel; Bailly-Choumara 1967c, **Rif**, Chaouen ville, route Chaouen-Bab Taza, piste Bab Taza-Fifi, piste Bab Taza-Talassemtane, piste Bab Taza-Béni Ahmed, route Bab Taza-Bab Berred, piste Bab Berred-Asifane, piste Bab Berred-Tamorote, Ketama, route nationale Jebha, Al Hoceima Club Med, Targuist et environs; Trari 1991, **AP**, Sidi Amira, El Menzeh, Oued Sebou, Sidi Yahia du Gharb, Moulay Bousselham, Larache, Bordure Oued Loukous; Dakki 1997; Himmi et al. 1998, **AP**, Sidi Boughaba, Dayat d'El Menzeh (north east of Kénitra), Puits de Sidi Amira (forest of Maâmora); Trari et al. 2002; Himmi 1991, **AP**, Sidi Boughaba, El Menzeh, Sidi Amira; Himmi et al. 1995; Louah 1995, **Rif**, Haidra, Marina Smir, Tahaddart, Tanger; Louah et al. 1995; Ramdani 1997, **AP**, Tamaris; Alaoui Slimani 2002, **AP**, Rabat; Himmi 2007, **Rif**, Bab Berred, Bab Taza, **AP**, forest Maâmora; El Ouali Lalami et al. 2010a, **MA**, Fès; El Joubari et al. 2014, **Rif**, Smir lagoon; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Culex (Neoculex) martinii Medschid, 1930

Bailly-Choumara 1968a, **Rif**, Al Hoceima, **AP**, Sidi Yahia du Gharb, Sidi Allal Tazi, Larache, Rabat, **HA**, Marrakech, **AA**, Tiznit; Himmi et al. 1995; Louah 1995, **Rif**, Haidra, Marina Smir, Cabo Negro, Oued Maleh; Louah et al. 1995; Dakki 1997; Trari et al. 2002; Himmi 2007; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Culisetini

***Culiseta* Felt, 1904**

Culiseta (Allotheobaldia) longiareolata (Macquart, 1838)

d'Anfreville 1916, **AP**, Salé; Séguy 1930a; Gaud 1947c, **AA**, Tansikht; Gaud 1953a, **HA**, Marrakech; Bailly-Choumara 1965c, **EM**, El Aïoun du Draa, Aïn Aït Delouine, Talmesdourt, Aouinet Torkoz, Rich Tamlougout, **AA**, Aït Onmar, Ouled Teima, Tiznit ville, Bounaamane, Id Baha, Tafnidilt, Guelta Zerga,

- Aïn Kerma, Taфраout ville, Oued Jemâa Idaousmaal, Toudi, Aït Abdallah, Ig-herm, Issedrim Igmur Igues, **SA**, Goulimine ville, Poste militaire de Boujrif, Embouchure de l'Oued Assaka, Ouaroun, Labyar, Asrir, Tacharicht, Bou Iza-karn ville, Jemâa N'Tirhirte, Aït Erkha, Tantan ville; Bailly-Choumara 1966, **AA**, Aït melloul, Tiznit; Bailly-Choumara 1967a, **MA**, Jnane Imasse, Khénifra, piste Tafetchna-Senoual-Itzer, Itzer, Ghorm El Alem, El ksiba, piste Naour-Ar-bala, Ifrane, Pont Tarmilate, Imouzzar Marmoucha; Bailly-Choumara 1967b, **EM**, Taфраout, Guercif ville, Grotte du Zegzel, Berguent, Tendrara; Bailly-Choumara 1967c, **Rif**, Chaouen ville, route Chaouen-Bab Taza, Bab Taza, route Bab Taza-Bab Berred, route Ketama-Targuist, route nationale Jebha, Tar-guist et environs, Aïn Hamra; Bailly-Choumara 1968a, **AP**, Meja Bokka, **AA**, Tiznit; Himmi 1991, **AP**, Sidi Boughaba, El Menzeh; Trari 1991, **AP**, El Men-zeh, Gharb; El Bermaki 1993, **AP**, Sidi Maârouf; Himmi et al. 1995; Louah 1995, **Rif**, Fnideq, Riffien, Marina Smir, M'diq, Cabo Negro, Lajour, Ouadras, Punta Cirres, Ksar Sghir, Tanger; Louah et al. 1995; Mestari 1997, **AP**, Mo-hammedia; Moussalim 1997, **AP**, Maâmora, Fouarate; Ramdani 1997, **AP**, Témara, Skhirat, Tamaris; Dakki 1997; Handaq 1998, **HA**, Marrakech, Kelaâ Sraghna, Bengrir Himmi et al. 1998, **AP**, Sidi Boughaba, Dayat d'El Menzeh (north east of Kénitra); Bouallam 2001, **HA**, Bordure Oued N'fis; Alaoui Sli-mani 2002, **AP**, Rabat; Trari et al. 2002; Aouinty et al. 2006, **AP**, Mohamme-dia; Himmi 2007, **Rif**, Bab Berred, **AP**, Skhirate, Maâmora, forest of Hilton; Koçak and Kemal 2013; El Joubari et al. 2014, **Rif**, Smir lagoon; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017; Mouatassem et al. 2019, **MA**, Fès
- Culiseta (Culicella) fumipennis* (Stephens, 1825)
Gaud 1947c, **AP**, Rabat, Sidi Allal Tazi, **MA**, Khémisset; Senevet and Andarel-li 1959, **AP**, Rabat, Casablanca, Bouznika, **MA**, Fès; Bailly-Choumara 1967a, **MA**, Jnane Imasse; Bailly-Choumara 1967c, **Rif**, route Bab Taza-Bab Berred; Himmi et al. 1995; Dakki 1997; Trari et al. 2002; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017
- Culiseta (Culicella) litorea* (Shute, 1928)
Metge 1986, **AP**, Casablanca; Dakki 1997; Carles-Tolrá 2002; Trari et al. 2002; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017
- Culiseta (Culiseta) annulata* (Schränk, 1776)
d'Anfreville 1916, **AP**, Salé; Charrier 1924, **Rif**, Tanger; Séguy 1930a, **Rif**, Tanger; Viamonte and Ramirez 1946, **Rif**, Ben Karrich, Asilah, Ketama, Mala-liene, Tétouan, **AP**, Larache; Gaud 1952, **AP**, Souk El Hadd (Gharb); Gaud 1953a, **Rif**, Tanger, Tétouan, **EM**, Saidia, Talsint, **AP**, Casablanca, Rabat, Ké-nitra, **MA**, Meknès, Fès, Ifrane, Taza, **HA**, Marrakech, Aït Bouguemez, Midelt; Gaud 1957b, **Rif**, Tétouan, Tanger, **AP**, Sidi Allal Tazi, Rabat, Casablanca, **MA**, Meknès, Ifrane; Bailly-Choumara 1967a, **MA**, Jnane Imasse, maison forestière Ouiouane, piste Tafetchna-Senoual-Itzer, Ghorm El Alem, Zaouia Cheikh, Pont Tarmilate, Ifrane; Bailly-Choumara 1967b, **EM**, Taфраout, route Itzer-Midelt; Bailly-Choumara 1967c, **Rif**, piste Bab Taza-Talassemtane; Bail-

ly-Choumara 1972a, **AP**, Merja Sheishat; Himmi et al. 1995; Louah 1995, **Rif**, Riffien, M'diq, Tanger; Louah et al. 1995; Chlaida 1997, **AP**, Barrage Al Massira; Dakki 1997; Mestari 1997, **AP**, Mohammedia; Moussalim 1997, **AP**, Rabat; Ramdani 1997, **AP**, meseta côtière (Casablanca-Rabat); Himmi et al. 1998, **AP**, Sidi Boughaba; Himmi 1991, **AP**, Sidi Boughaba, El Menzeh; Trari 1991, **AP**, Sidi Boughaba, El Menzeh; Trari et al. 2002; Himmi 2007, **AP**, Skhirate, Maâmora, forest of Hilton, Oulja; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Culiseta (Culiseta) subochrea (Edwards, 1921)

Gaud 1952, **AP**, Gharb; Gaud 1957b, **Rif**, Tanger, Chefchaouen, **EM**, Oujda, **AP**, Sidi Allal Tazi, Casablanca; Bailly-Choumara 1967a, **MA**, Imilchil; Bailly-Choumara 1967c, **Rif**, Ketama; Bailly-Choumara 1972a, **AP**, Merja Sheishat; Himmi 1991, **AP**, Sidi Boughaba; Trari 1991, **AP**, Sidi Boughaba; Louah 1995, **Rif**, Riffien, Tres piedras, M'diq, Cabo Negro, Oued Maleh, Tanger; Louah et al. 1995; Dakki 1997; Mestari 1997, **AP**, Mohammedia; Moussalim 1997, **AP**, Kénitra; Ramdani 1997, **AP**, Témara, Skhirat, Casablanca; Handaq 1998, **AP**, El Jadida, **HA**, Bengrir; Himmi et al. 1998, **AP**, Sidi Boughaba; Trari et al. 2002; Himmi 2007, **AP**, Skhirat, Dayet Aïn Chems, Maâmora, forest of Hilton; El Joubari et al. 2014, **Rif**, Smir lagoon; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Mansoniini

Coquillettidia Dyar, 1905

Coquillettidia (Coquillettidia) buxtoni (Edwards, 1923)

Bailly-Choumara 1965a, **AP**, Merja Bokka; Bailly-Choumara 1970, **AP**, Merja Bokka; Bailly-Choumara 1972a, **AP**, Merja Sheishat (Larache); Bailly-Choumara 1973b, **AP**, Merja Bokka, Larache; Himmi et al. 1995; Trari et al. 2002; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Coquillettidia (Coquillettidia) richiardii (Ficalbi, 1889)

Bailly-Choumara 1965a, **AP**, Merja Bokka; Bailly-Choumara 1967a, **MA**, Zaouia Cheikh; Bailly-Choumara 1970, **AP**, Merja Bokka; Bailly-Choumara 1972a, **AP**, Merja Sheishat (Larache); Bailly-Choumara 1973b, **AP**, Merja Bokka; Trari 1991, **AP**, Sidi Yahia du Gharb, Aïn Chouk, Merja Bargha; Himmi et al. 1995; Dakki 1997; Moussalim 1997, **AP**, Fouarate sur les bordures de la Merja; Trari et al. 2002; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Orthopodomyiini

Orthopodomyia Theobald, 1904

Orthopodomyia pulcripalpis (Rondani, 1872)

Bailly-Choumara 1965b, **AP**, Maâmora; Himmi et al. 1995; Dakki 1997; Trari et al. 2002; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017

Uranotaeniini

Uranotaenia* Lynch Arribálzaga, 1891Uranotaenia (Pseudoficalbia) unguiculata* Edwards, 1913

Séguy 1930a; Gaud 1953a, **HA**, Marrakech; Senevet and Andarelli 1959a, **EM**, Oujda, Berguent, Guercif, **AP**, Sidi Allal Tazi, Bouznika, Casablanca, Béni Moussa, **MA**, Oulad Massine, Meknès, Moulay Yacoub, Béni Mellal, **AA**, Ksar Mzizel, Aït Melloul; Bailly-Choumara 1965c, **EM**, Aïn Aït Delouine, Talmesdourt, Rich Tamlogout; Bailly-Choumara 1966, **AA**, Aït Ouabelli; Bailly-Choumara 1967a, **MA**, Pont Tarmilate; Bailly-Choumara 1967b, **EM**, environs de Taourirt, Madagh, Merja Boubker; Bailly-Choumara 1967c, **Rif**, route Bab Taza-Bab Berred, piste Ketama-Jebel Tidighine; Bailly-Choumara 1968a, **AP**, Oued Loukous, Merja Bokka, Kénitra, Oued Bou-Regreg; Himmi 1991, **AP**, Sidi Boughaba; Trari 1991, **AP**, Oued Sebou; El Bermaki 1993, **AP**, El Oulfa (Casablanca); Himmi et al. 1995; Dakki 1997; Ramdani 1997, **AP**, Tamaris; Handaq 1998, **AP**, Sidi Bennour, **HA**, Zima Chemaïa (Bengrir); Trari et al. 2002; Himmi 2007, **AP**, Sidi Boughaba; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017; Mouatassem et al. 2019, **MA**, Fès

Uranotaenia (Uranotaenia) balfouri Theobald, 1904

Bailly-Choumara 1968a, **AP**, Merja Bokka, Oued Loukous, Sidi Yahia, Oued Sebou (Kénitra), Oued Bou-Regreg; Himmi et al. 1995; Dakki 1997; Mousalim 1997, **AP**, Sidi Allal Tazi, Fouarate, Sidi Boughaba; Trari et al. 2002; Himmi 2007, **AP**, Sidi Boughaba; El Ouali Lalami et al. 2010a, **MA**, Fès Boulmane; Trari 2017; Trari and Dakki 2017b; Trari et al. 2017; Mouatassem et al. 2019, **MA**, Fès

DIXIDAE

K. Kettani, R. Wagner

Number of species: **12**. Expected: 15

Faunistic knowledge of the family in Morocco: moderate

Dixa* Meigen, 1818Dixa caudatula* Séguy, 1928

Séguy 1930a, **HA**, Arround, Skoutana (2400 m); Vaillant 1959; Dakki 1997; Mouna 1998

Dixa dilatata Strobl, 1900= *Dixa riparia* Vaillant, in Vaillant 1959: 180

Vaillant 1959, **HA**, Source de M'Goum (2500 m), Gorges d'Imi-N'Ifri (1050 m); Vaillant 1965; Dakki 1997

Dixa maculata Meigen, 1818

Séguy 1930a; Dakki 1997; Mouna 1998

Dixa mera Séguy, 1930

Séguy 1930a, **MA**, forest of Timelilt (1900 m); Vaillant 1959; Dakki 1997; Mouna 1998

Dixa nebulosa Meigen, 1830

Séguy 1930a, **HA**; Dakki 1997; Mouna 1998

Dixa perexilis Séguy, 1928

Séguy 1930a, **HA**, riverside of Oued Imminen (Tachdirt, 2400 m); Vaillant 1959; Dakki 1997; Mouna 1998

Dixa puberula Loew, 1849

Vaillant 1959, **HA**, headwaters of Asif M'Goum (2500 m); Vaillant 1965; Dakki 1997; Mouna 1998

Dixa submaculata Edwards, 1920

Séguy 1930a, **MA**, Sidi Yahia, Talzent (1800 m); Dakki 1997; Mouna 1998

Dixella* Dyar & Shannon, 1924Dixella aestivalis* (Meigen, 1818)

Séguy 1930a, **AP**, Merja Boughaba; Vaillant 1965; Ramdani 1981; Ramdani and Tourenq 1982; Mouna 1998

Dixella attica (Pandazis, 1933)

= *Dixella numidica* (Sicart, 1955)

Ebejer et al. 2019, **Rif**, Cabo Negro (indoors: 10 m)

Dixella martinii (Peus, 1934)

Ebejer et al. 2019, **Rif**, Moulay Abdelsalam (965 m)

Dixella serotina (Meigen, 1818)

= *Dixa serotina* Wied, in Mouna 1998: 85

Séguy 1930a, **AP**, Casablanca (between Kénitra and Oued Beth); Dakki 1997; Mouna 1998

Chironomoidea

CERATOPOGONIDAE

K. Kettani, B. Mathieu

Number of species: **62**. Expected: 80

Faunistic knowledge of the family in Morocco: moderate

Ceratopogoninae

Culicoidini

Culicoides* Latreille, 1809Culicoides* (*Avaritia*) *imicola* Kieffer, 1913

Kremer et al. 1971, **MA**, Fès-Meknès, **SA**, Guelmim-Oued Noun; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **SA**, Guelmim-Oued Noun; Chaker et al. 1980, **MA**, Fès, Rhafsai, **AA**, Torkoz, Tarhjisht; Remm 1988a;

Dakki 1997; Bouayoune et al. 1998, **Rif**, Tanger-Tétouan-Al Hoceima, **EM**, Oriental, **AP**, Rabat-Salé-Kénitra, Safi, **MA**, Fès-Meknès, Béni Mellal-Khénifra, **HA**, Marrakech, **AA**, Draa-Tafilalet, Souss-Massa, **SA**, Guelmim-Oued Noun; Cêtre-Sossah and Baldet 2004, **AP**, Rabat-Salé-Kénitra; Lhor et al. 2015, **Rif**, Sahel Chamali, **MA**, Sidi Hammadi, Benioukil, Aïn Leuh, Ait Siberne, Meknès, **AA**, Errachidia, Sidi Dahmane, **SA**, Foug El Oued; Bourquia et al. 2019, **AP**, Rabat

Culicoides (Avaritia) montanus Shakirzjanova, 1962

Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, Safi, **HA**, Marrakech, **SA**, Guelmim-Oued Noun; Kremer et al. 1975; Kremer et al. 1979, **Rif**, Tanger-Tétouan-Al Hoceima, **AP**, Safi, **HA**, Marrakech; Chaker et al. 1980, **Rif**, Al Hoceima, **AP**, Oued Cherrat, **HA**, Souk Tnine de Oudaias (Haouz), Marrakech, **AA**, Torkoz; Remm 1988a; Dakki 1997; Bourquia et al. 2019, **AP**, Rabat

Culicoides (Avaritia) obsoletus (Meigen, 1818)

Callot et al. 1968, **Rif**, Al Hoceima, **AP**, Merja Bokka, Sidi Yahia du Gharb, Sidi-Bettache (Zaeir), Rabat-Salé-Kénitra, **HA**, El Harcha (plateau central); Bailly-Choumara and Kremer 1970, **AP**, estuaire de Bou-Regreg; Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, Safi, **MA**, Béni Mellal-Khénifra, **HA**, Marrakech; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **Rif**, Tanger-Tétouan-Al Hoceima, **AP**, Rabat-Salé-Kénitra, Casablanca, Settati, Safi, **HA**, Marrakech; Chaker et al. 1980, **Rif**, Al Hoceima, **AP**, Zaers, Sidi Bettache, **HA**, El Harcha, Talet Inaouane (Haouz); Remm 1988a; Dakki 1997; Bouayoune et al. 1998, **Rif**, Tanger-Tétouan-Al Hoceima, **AP**, Rabat-Salé-Kénitra, Casablanca, Settati, Safi, **MA**, Fès-Meknès, Béni Mellal-Khénifra, **HA**, Marrakech, **AA**, Souss-Massa, **SA**, Guelmim-Oued Noun; Cêtre-Sossah and Baldet 2004; Lhor et al. 2015, **Rif**, Sahel Chamali, **MA**, Ait Siberne; Bourquia et al. 2019, **AP**, Rabat

Culicoides (Avaritia) scoticus Downes & Kettle, 1952

Kremer et al. 1971, **AP**, Safi, **MA**, Béni Mellal-Khénifra, **HA**, El Harcha, Talet Inaouane (Haouz), Marrakech; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **AP**, Casablanca-Settati, Safi, **HA**, Marrakech; Remm 1988a; Dakki 1997; Bourquia et al. 2019, **AP**, Rabat

Culicoides (Beltranmyia) circumscriptus Kieffer, 1918

Callot et al. 1968; Bailly-Choumara and Kremer 1970, **Rif**, Smir lagoon, Oued Negro, **EM**, Merja Boubker (Berkane), Gouttitir (NE Guercif), **AP**, Merja Sheishat (Larache), Aïn Muelha (near Oued Sidi Allal Tazi, estuaire Oued Bou-Regreg, Dayat Qoudiya (Sidi Yahia Gharb); Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, Casablanca, Settati, Safi, **MA**, Fès-Meknès, **HA**, Marrakech, **SA**, Guelmim-Oued Noun; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **Rif**, Tanger-Tétouan-Al Hoceima, **AP**, Rabat-Salé-Kénitra, Casablanca, Settati, Safi, **MA**, Fès-Meknès, **AA**, Souss Massa; Chaker et al. 1980, **Rif**, Al Hoceima, **AP**, Merja Qoudiya, Merja Bokka, Sidi Yahia du Gharb, **MA**, Aïn Karma (Saiss), Oulmès, **HA**, Setti Fatma, **AA**, Ait Melloul

(Souss); Dakki 1997; Cêtre-Sossah and Baldet 2004, **AP**, Rabat-Salé-Kénitra; Lhor et al. 2015, **Rif**, Sahel Chamali, **MA**, Sidi Hammadi, Benioukil, Meknès, **AA**, Errachidia, **SA**, Foug El Oued; Bourquia et al. 2019, **AP**, Rabat

Culicoides (Culicoides) fagineus Edwards, in Edwards et al. 1939

Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, Safi, **MA**, Béni Mellal-Khénifra, **HA**, Marrakech; Kremer et al. 1975; Chaker et al. 1979, **AP**, Rabat-Salé-Kénitra; Kremer et al. 1979; Chaker et al. 1980, **AP**, Rabat, Sidi Bettache, **MA**, Khemisset, **HA**, Marrakech; Remm 1988a; Dakki 1997; Bourquia et al. 2019, **AP**, Rabat

Culicoides (Culicoides) newsteadi Austen, 1921

= *Culicoides (Culicoides) halophilus* Kieffer, in Callot et al. 1968: 886, Bailly-Choumara and Kremer 1970: 386, Dakki 1997: 60

Callot et al. 1968, **Rif**, Cabo Negro (Ferma), Tétouan, Talerhza, Tanger-Tétouan-Al Hoceima, **AP**, Larache, Merja Bokka (Gharb), Aïn Chok, **HA**, Talet-Inaouan (Haouz); Bailly-Choumara and Kremer 1970, **Rif**, Smir lagoon, Oued Negro, **AP**, Merja Sheishat (Larache), Aïn Muelha (near Oued Sidi Allal Tazi, estuaire Oued Bou-Regreg, Dayat Qoudiya (Sidi Yahia du Gharb), **EM**, Merja Boubker (Berkane), Ksabi (NE Midelt), **HA**, Souk Tnine des Oudaïas (bordure Oued N'fis), **AA**, Aïn Sefra (south Foug Zquid); Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, Casablanca, Settât, **MA**, Fès-Meknès, Béni Mellal-Khénifra, **SA**, Guelmim-Oued Noun; Kremer et al. 1975; Chaker et al. 1979, **Rif**, Tanger-Tétouan-Al Hoceima, **AP**, Rabat-Salé-Kénitra, Safi, Casablanca, Settât, **MA**, Béni Mellal-Khénifra, **HA**, Marrakech; Kremer et al. 1979; Baylis et al. 1997, **Rif**, Tanger, **HA**, Marrakech; Remm 1988a; Dakki 1997; Cêtre-Sossah and Baldet 2004, **AP**, Rabat-Salé-Kénitra; Lhor et al. 2015, **MA**, Aïn Leuh, Ait Siberne, Meknès, **SA**, Foug El Oued; Bourquia et al. 2019, **AP**, Rabat

Culicoides (Culicoides) pulicaris (Linnaeus, 1758)

Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, **MA**, Fès-Meknès, Béni Mellal-Khénifra, **SA**, Guelmim-Oued Noun; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **AP**, Rabat-Salé-Kénitra, Safi, **HA**, Marrakech, **SA**, Guelmim-Oued Noun; Chaker et al. 1980, **MA**, Lalla Outka, Khénifra, Oulmès, **HA**, Talet Inaouan (Haouz), **AA**, Aouinet-Torkoz, Tarhjicht; Remm 1988a; Dakki 1997; Bouayoune et al. 1998, **Rif**, Tanger-Tétouan-Al Hoceima, **EM**, Oriental, **AP**, Rabat-Salé-Kénitra, Casablanca, Settât, Safi, **MA**, Fès-Meknès, Béni Mellal-Khénifra, **HA**, Marrakech, **AA**, Drâa-Tafilet, Souss-Massa; Cêtre-Sossah and Baldet 2004; Lhor et al. 2015, **Rif**, Sahel Chamali, **MA**, Aïn Leuh, Ait Siberne, Meknès; Bourquia et al. 2019

Culicoides (Culicoides) punctatus (Meigen, 1804)

Callot et al. 1968, **Rif**, Tanger-Tétouan-Al Hoceima; Bailly-Choumara and Kremer 1970, **Rif**, Merja Smir, Oued Negro, **AP**, Merja Sheishat (Larache), estuaire Bou-Regreg, **EM**, Merja Boubker (Berkane); Kremer et al. 1971, **Rif**, Cabo Negro (Ferma), Tétouan, **EM**, Berkane, **AP**, Rabat-Salé-Kénitra, **MA**, Fès-Meknès, **AA**, Foug Zquid; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979,

- AP**, Casablanca-Settat; Dakki 1997; Lhor et al. 2015, **Rif**, Sahel Chamali, **MA**, Sidi Hammadi, Benioukil, Aïn Leuh, Meknès; Bourquia et al. 2019
- Culicoides (Culicoides) subfagineus* Delécolle & Ortega, 1998
Bourquia et al. 2019, **AP**, Rabat
- Culicoides (Monoculicoides) parroti* Kieffer, 1922
Bailly-Choumara and Kremer 1970, **HA**, Dar Saâda (Haouz); Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra; Kremer et al. 1975; Kremer et al. 1979, **AP**, Safi, **HA**, Marrakech; Chakeret al. 1980, **AP**, Rabat, **HA**, Marrakech, Souk Tnine des Oudaias (Haouz); Remm 1988a; Dakki 1997; Bourquia et al. 2019
- Culicoides (Monoculicoides) puncticollis* (Becker, 1903)
Callot et al. 1968, **AP**, Merja Qoudiya, Sidi Yahia du Gharb, Romani (Zaers), Rabat-Salé-Kénitra, **MA**, Aïn Karma (Saiss), **HA**, Souk Tnine des Oudaias (Haouz); Bailly-Choumara and Kremer 1970 (reported as *C. riethi* and corrected by Kremer et al. 1971), **Rif**, Merja Smir, **AP**, Merja Sheishat (Larache), estuaire Bou-Regreg, Dayat Qoudiya (Sidi Yahia du Gharb), **HA**, Souk Tnine des Oudaias (bordure de l'Oued N'fis), Dar Saâda (Haouz), Talet Inouane (bordure marécageuse du lac du Barrage Lalla Taguergoust); Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, **MA**, Fès-Meknès; Kremer et al. 1975; Kremer et al. 1979, **AP**, Rabat-Salé-Kénitra, Safi, **MA**, Fès-Meknès, **HA**, Marrakech; Chaker et al. 1980, **AP**, Aïn Karma, Zaers, Roumani, **HA**, Souk-Tnine des Oudaias; Remm 1988a; Cêtre-Sossah and Baldet 2004, **AP**, Rabat-Salé-Kénitra; Bourquia et al. 2019, **AP**, Rabat
- Culicoides (Oecacta) azerbaijdzhanicus* Dhzafarov, 1962
Bailly-Choumara and Kremer 1970, **HA**, Souk Tnine des Oudaias (bordure Oued N'fis); Kremer et al. 1971, **AP**, Safi, **MA**, Fès-Meknès, Beni Mellal-Khénifra, **HA**, Marrakech, **SA**, Guelmim-Oued Noun; Kremer et al. 1975; Kremer et al. 1979, **AA**, Souss-Massa **SA**, Guelmim-Oued Noun; Chaker et al. 1980, **MA**, Kkénifra, Rhafsai, **HA**, Marrakech, **AA**, Torkoz, Tarhjisht; Dakki 1997; Bourquia et al. 2019
- Culicoides (Oecacta) longipennis* Khalaf, 1957
Kremer et al. 1971, **EM**, Berkane **AP**, Safi, **MA**, Fès-Meknès, **HA**, Marrakech; Kremer et al. 1975; Remm 1988a; Dakki 1997; Bourquia et al. 2019, **AP**, Rabat
- Culicoides (Oecacta) marclei* Callot, Kremer & Basset, 1968
Kremer et al. 1971, **MA**, Rhafsai, Fès-Meknès, **SA**, Guelmim-Oued Noun; Kremer et al. 1975; Remm 1988a; Dakki 1997; Bourquia et al. 2019
- Culicoides (Oecacta) pallidus* Khalaf, 1957
= *Culicoides stackelbergi* Dhzafarov, in Kremer et al. 1971: 662, Dakki 1997: 61
Kremer et al. 1971, **AA**, Torkoz, **SA**, Guelmim-Oued Noun; Kremer et al. 1971; Remm 1988a; Dakki 1997; Bourquia et al. 2019
- Culicoides (Oecacta) ravus* De Meillon, 1936
= *Culicoides (Synhelea) subravus* Cornet and Château, in Kremer et al. 1971: 664, Chaker et al. 1980: 85, Dakki 1997: 61

- Kremer et al. 1971, **AP**, Safi, **HA**, Marrakech, **SA**, Guelmim-Oued Noun; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **AA**, Souss-Massa, **SA**, Guelmim-Oued Noun; Chaker et al. 1980, **HA**, Marrakech, **AA**, Torkoz, Tarhjicht, Aït Ouaballi (Draa); Remm 1988a; Dakki 1997; Bourquia et al. 2019
- Culicoides (Oecacta) sahariensis* Kieffer, 1923
 = *Culicoides colluzzii* Callot, Kremer and Bailly-Choumara, in Bailly-Choumara and Kremer 1970: 386, Chaker et al. 1980: 83, Dakki 1997: 61
 Bailly-Choumara and Kremer 1970, **AP**, Merja Sheishat (Larache), **EM**, Merja Boubker (Berkane), **HA**, Souk Tnine des Oudaias (bordure Oued N'fis); Callot et al. 1970, **AP**, Larache, **HA**, Marrakech; Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, **MA**, Fès-Meknès, **SA**, Guelmim-Oued Noun; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **AP**, Rabat-Salé-Kénitra, **SA**, Guelmim-Oued Noun; Chaker et al. 1980, **AP**, Merja Bokka (Gharb), Rabat (Zaers), **EM**, Berkane, **MA**, Fès, Khémisset, **AA**, Tarhjisht; Baylis et al. 1997; Dakki 1997; Bouayoune et al. 1998; Cêtre-Sossah and Baldet 2004; Bourquia et al. 2019, **AP**, Rabat
- Culicoides (Oecacta) santonicus* Callot, Kremer, Rault & Bach, 1966
 Bailly-Choumara and Kremer 1970, **AP**, Merja Sheishat (Larache); Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **AP**, Rabat-Salé-Kénitra; Bailly-Choumara et al. 1980, **AP**, Larache, Sidi Bettache, **MA**, Oulmès, **EM**, El-Harcha; Remm 1988a; Dakki 1997; Bourquia et al. 2019
- Culicoides (Oecacta) semimaculatus* Clastrier, 1958
 Kremer et al. 1975, **Rif**, Tanger-Tétouan-Al Hoceima, **AP**, Larache, Casablanca-Settat, **MA**, Plateau Central (Khatouate); Chaker et al. 1979; Remm 1988a; Dakki 1997; Szadziwski and Dominiak 2006; Bourquia et al. 2019
- Culicoides (Oecacta) sergenti* Kieffer, 1921
 = *Culicoides (Oecacta) mosulensis* Khalaf, in Chaker et al. 1980: 84, Dakki 1997: 60
 Kremer et al. 1979, **EM**, Oriental, **SA**, Guelmim-Oued Noun; Chaker et al. 1980, **AA**, Tarhjicht, **SA**, Bou-Arfa; Dakki 1997; Bourquia et al. 2019
- Culicoides (Oecacta) similis* Carter, Ingram & Macfie, 1920
 Kremer et al. 1971, **AA**, Torkoz, **SA**, Guelmim-Oued Noun; Kremer et al. 1975; Remm 1988a; Dakki 1997; Bourquia et al. 2019
- Culicoides (Oecacta) truncorum* Edwards, 1939
 = *Culicoides (Oecacta) sylvarum* Callot and Kremer, in Kremer et al. 1971: 662, Remm 1988a: 65, Dakki 1997: 61
 Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, **MA**, Béni Mellal- Khénifra; Kremer et al. 1975; Remm 1988a; Dakki 1997; Bourquia et al. 2019
- Culicoides (Pontoculicoides) saevus* Kieffer, 1922
 Callot et al. 1968, **AP**, Sidi Yahia du Gharb, Rabat-Salé-Kénitra, Safi, **MA**, Aïn Karma (Saiss), **HA**, Talet Inouane, Marrakech, Souk Tnine des Oudaias (Haouz), **AA**, Aït Melloul (Souss), Ksar er Souk (Tafilalt), Tarhjicht, **SA**, Bou-Arfa; Bailly-Choumara and Kremer 1970, **AP**, Merja Sheishat (Larache), **HA**,

- Souk Tnine des Oudaias (bordure de l'Oued N'fis); Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, **MA**, Fès-Meknès **SA**, Guelmim-Oued Noun; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **EM**, Oriental, **AP**, Safi, **MA**, Fès-Meknès, **HA**, Marrakech, **AA**, Drâa-Tafilalet, Souss-Massa, **SA**, Guelmim-Oued Noun; Bailly-Choumara and Kremer 1980; Dakki 1997; Cêtre-Sossah and Baldet 2004, **AP**, Rabat-Salé-Kénitra; Bourquia et al. 2019
- Culicoides (Pontoculicoides) sejfadinei* Dzhabarov, 1958
Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **EM**, Oriental, **AA**, Drâa-Tafilalet; Bourquia et al. 2019
- Culicoides (Remmia) kingi* Austen, 1912
Bailly-Choumara and Kremer 1970, **AA**, Mrimima (Oued de Fom Zquid), Souss-Massa; Chaker et al. 1980, **MA**, Meknès, **AA**, Tarhjisht; Cornet and Brunhes 1994; Bourquia et al. 2019, **AP**, Rabat
- Culicoides (Remmia) schultzei* (Enderlein, 1908)
Callot et al. 1968, **AP**, Safi, **HA**, Talet Inouane, Marrakech; Dakki 1997; Bourquia et al. 2019
- Culicoides (Sensiculicoides) badooshensis* Khalaf, 1961
Bailly-Choumara and Kremer 1970, **AP**, Merja Sheishat (Larache), **HA**, Marrakech, Souk Tnine des Oudaias; Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, Safi, **MA**, Fès-Meknès; Kremer et al. 1975; Kremer et al. 1979, **AP**, Rabat-Salé-Kénitra, Safi, **HA**, Marrakech; Dakki 1997; Chaker et al. 1980, **AP**, Oued Cherrat, Bousselham, Sidi Yahia, **MA**, Fès, **HA**, Marrakech; Bourquia et al. 2019
- Culicoides (Sensiculicoides) cataneii* Clastrier, 1957
Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **Rif**, Tanger-Tétouan-Al Hoceima, **AP**, Rabat-Salé-Kénitra; Chaker et al. 1980, **AP**, Oued Cherrat, Rabat; Remm 1988a; Dakki 1997; Bourquia et al. 2019, **AP**, Rabat
- Culicoides (Sensiculicoides) clastrieri* Callot, Kremer & Deduit, 1962
Bourquia et al. 2019, **MA**, Fès-Meknès
- Culicoides (Sensiculicoides) derisor* Callot & Kremer, 1965
Chaker et al. 1980, **AP**, Rabat; Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, **MA**, Fès-Meknès; Kremer et al. 1975; Chaker et al. 1979, **AP**, Rabat-Salé-Kénitra; Kremer et al. 1979; Remm 1988a; Dakki 1997; Bourquia et al. 2019
- Culicoides (Sensiculicoides) duddingstoni* Kettle & Lawson, 1955
Bourquia et al. 2019, **MA**, Fès-Meknès
- Culicoides (Sensiculicoides) dzhabarovi* Remm, 1967
Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **SA**, Guelmim-Oued Noun; Chaker et al. 1980, **AP**, Oued Cherrat, **AA**, Tarhjisht; Remm 1988a; Dakki 1997; Bourquia et al. 2019
- Culicoides (Sensiculicoides) festivipennis* Kieffer, 1914
= *Culicoides (Oecacta) odibilis* Austen, in Bailly-Choumara and Kremer 1970: 387, Chaker et al. 1980: 84, Dakki 1997: 61

Callot et al. 1968, **Rif**, Tanger-Tétouan-Al Hoceima; Bailly-Choumara and Kremer 1970, **Rif**, Merja Smir, **HA**, Souk Tnine des Oudaias (bordure Oued N'fis); Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **Rif**, Tanger-Tétouan-Al Hoceima, **AP**, Rabat-Salé-Kénitra, Safi, Casablanca-Settat, **HA**, Marrakech; Chaker et al. 1980, **Rif**, Tétouan, **EM**, El-Harcha, **AP**, Aïn Chok, Rabat, Larache, **MA**, Oulmès, **HA**, Marrakech, Talet-Inaouan (Haouz); Dakki 1997; Cêtre-Sossah and Baldet 2004, **AP**, Rabat-Salé-Kénitra; Bourquia et al. 2019, **AP**, Rabat

Culicoides (Sensiculicoides) heteroclitus Kremer and Callot, in Callot & Kremer, 1965
Kremer et al. 1975, **AP**, Safi, **HA**, Marrakech, **AA**, Tafraout, Tiznit, Souss-Massa; Chaker et al. 1979; **HA**, Haouz; Remm 1988a; Dakki 1997; Bourquia et al. 2019

Culicoides (Sensiculicoides) jumineri Callot & Kremer, 1969
Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, **MA**, Fès-Meknès, **SA**, Guelmim-Oued Noun; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **EM**, Oriental, **AP**, Rabat-Salé-Kénitra, Safi, **HA**, Marrakech, **AA**, Souss-Massa, **SA**, Guelmim-Oued Noun; Chaket et al. 1980, **AP**, Oued Cherrat, Merja Bokka, Rabat, **MA**, Fès, **HA**, Talet-Inaouan (Haouz), **AA**, Torkoz, Tarhjisht, Aït Oubelli, **SA**, Bou-Arfa; Remm 1988a; Dakki 1997; Cêtre-Sossah and Baldet 2004, **AP**, Rabat-Salé-Kénitra; Bourquia et al. 2019, **AP**, Rabat

Culicoides (Sensiculicoides) kibunensis Tokunaga, 1937
= *Culicoides (Oecata) cubitalis* Edwards, in Kremer et al. 1975: 205, Dakki 1997: 60
Kremer et al. 1975, **AP**, Safi, **MA**, Ifrane, Imouzzet-du-Kander, Fès-Meknès, **HA**, Haouz, Marrakech; Chaker et al. 1979; Dakki 1997; Bourquia et al. 2019

Culicoides (Sensiculicoides) kurensis Dzhafarov in Gutsevich, 1960
Remm 1988a; Cêtre-Sossah and Baldet 2004, **AP**, Rabat-Salé-Kénitra; Bourquia et al. 2019

Culicoides (Sensiculicoides) landauae Kremer, Rebholtz-Hirtzel & Bailly-Choumara, 1975
Kremer et al. 1975, **MA**, Imouzzet-du-Kander, Sefrou, Fès-Meknès; Chaker et al. 1979; Hervy et al. 1994; Borkent and Wirth 1997; Remm 1988a; Dakki 1997; Chilasse and Dakki 2004, **MA**; Borkent 2012; Bourquia et al. 2019

Culicoides (Sensiculicoides) langeroni Kieffer, 1921
Bailly-Choumara and Kremer 1970, **HA**, Tnine des Oudaias (bordure de Oued N'fis); Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra; Kremer et al. 1975; Kremer et al. 1979; Bailly-Choumara and Kremer 1980, **MA**, Khénifra, **AA**, Tarhjicht, Torkoz (Draa); Dakki 1997; Bourquia et al. 2019

Culicoides (Sensiculicoides) maritimus Kieffer, 1924
Bailly-Choumara and Kremer 1970, **AP**, estuaire de Bou-Regreg; Kremer et al. 1971, **Rif**, Tanger-Tétouan-Al Hoceima, **AP**, Rabat-Salé-Kénitra; Kremer et al. 1975; Kremer et al. 1979; Bailly-Choumara and Kremer 1980, **Rif**,

- Tétouan, **AP**, Larache, Rabat, Sidi Bettache, **HA**, Talet-Inaouan (Haouz), Souk Tnine des Oudaias (Haouz); Remm 1988; Dakki 1997; Bourquia et al. 2019
- Culicoides (Sensiculicoides) odiatus* Austen, 1921
 = *Culicoides lailae* Khalaf, in Bailly-Choumara and Kremer 1970: 387, Dakki 1997: 60
 = *Culicoides indistinctus* Khalaf, in Kremer et al. 1975: 206, Dakki 1997: 60
 Bailly-Choumara and Kremer 1970, **HA**, Tnine des Oudaias (bordure de Oued N'fis); Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, **MA**, Fès-Meknès, **AA**, Torkoz, **SA**, Guelmim-Oued Noun; Kremer et al. 1975, **AA**, Tafraout, Souss-Massa; Kremer et al. 1979; Chaker et al. 1979, **AP**, Rabat-Salé-Kénitra, Safi, **HA**, Marrakech, **SA**, Guelmim-Oued Noun; Chaker et al. 1980, **AP**, Kénitra, Merja Bokka (Gharb), **HA**, Souk Tnine des Oudaias (Haouz), **AA**, Tarhjicht; Remm 1988a; Dakki 1997; Baylis et al. 1997; Bouayoune et al. 1998; Cêtre-Sossah and Baldet 2004, **AP**, Rabat-Salé-Kénitra; Sarvašová et al. 2014; Bourquia et al. 2019
- Culicoides (Sensiculicoides) paolae* Boorman, 1996
 Bourquia et al. 2019, **AP**, Rabat
- Culicoides (Sensiculicoides) pictipennis* (Staeger, 1839)
 Bailly-Choumara and Kremer 1970, **AP**, estuaire de Bou-Regreg; Kremer et al. 1971; Remm 1988a; Bourquia et al. 2019, **AP**, Rabat
- Culicoides (Sensiculicoides) pseudopallidus* Khalaf, 1961
 Bailly-Choumara and Kremer 1970, **HA**, Souk Tnine des Oudaias (bordure Oued N'fis); Kremer et al. 1971, **AP**, Safi, **MA**, Rhafsai, Fès-Meknès, **HA**, Marrakech; Kremer et al. 1975; Remm 1988a; Dakki 1997; Bourquia et al. 2019
- Culicoides (Sensiculicoides) shaklawensis* Khalaf, 1957
 Kremer et al. 1975, **AP**, Safi, **MA**, Sefrou, Fès-Meknès, **HA**, Setti Fatma, Marrakech; Chaker et al. 1979; Remm 1988a; Dakki 1997; Bourquia et al. 2019
- Culicoides (Sensiculicoides) simulator* Edwards, 1939
 Kremer et al. 1975, **MA**, Ifrane, Fès-Meknès, **HA**, Setti Fatma; Chaker et al. 1979; Dakki 1997; Bourquia et al. 2019
- Culicoides (Sensiculicoides) univittatus* Vimmer, 1932
 = *Culicoides agathensis* Callot, Kremer and Rioux, in Bailly-Choumara and Kremer 1970: 386, Kremer et al. 1971: 663, Chaker et al. 1980: 82, Dakki 1997: 60
 Bailly-Choumara and Kremer 1970, **AP**, estuaire Bou-Regreg; Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, **Rif**, Tanger-Tétouan-Al Hoceima; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **Rif**, Tanger-Tétouan-Al Hoceima, **AP**, Rabat-Salé-Kénitra, Safi, **MA**, Fès-Meknès, **HA**, Marrakech; Chaker et al. 1980, **Rif**, Tétouan, **AP**, Larache, Sidi Bettache **MA**, Oulmès; Dakki 1997; Bourquia et al. 2019
- Culicoides (Sensiculicoides) vidourlensis* Callot, Kremer, Molet & Bach, 1968

Bailly-Choumara and Kremer 1970, **AP**, Merja Sheishat (Larache), estuaire de Oued Bou-Regreg, **HA**, Souk Tnine des Oudaias (bordure de Oued N'fis); Kremer et al. 1971; Remm 1988a; Bourquia et al. 2019

Culicoides (Silvaticulicoides) pallidicornis Kieffer, 1919

Bailly-Choumara and Kremer 1970, **HA**, Souk Tnine des Oudaias (bordure Oued N'fis); Kremer et al. 1971, **AA**, Torkoz, **SA**, Guelmim-Oued Noun; Dakki 1997; Balenghien et al. 2014, **SA**, Guelmim-Oued Noun; Bourquia et al. 2019

Culicoides (Silvaticulicoides) picturatus Kremer & Deduit, 1961

Bailly-Choumara and Kremer 1970, **AP**, Merja Sheishat (Larache); Kremer et al. 1971, **Rif**, Talerhza, **EM**, El-Harcha, **AP**, Bousselham, Rabat-Salé-Kénitra, **MA**, Oulmès; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **AP**, Casablanca-Settat, **MA**, Béni Mellal-Khénifra; Remm 1988a; Dakki 1997; Sarvašová et al. 2014; Bourquia et al. 2019

Culicoides (Silvaticulicoides) subfasciipennis Kieffer, 1919

Kremer et al. 1971, **AP**, Rabat-Salé-Kénitra, **MA**, Fès-Meknès, Béni Mellal-Khénifra; Kremer et al. 1975; Kremer et al. 1979; Chaker et al. 1979, **Rif**, Tanger-Tétouan-Al Hoceima; Bailly-Choumara and Kremer 1980, **AP**, Larache, Zaers, Rabat, Aïn Chok, **MA**, Sefrou; Remm 1988a; Hervy et al. 1994; Dakki 1997; Cêtre-Sossah and Baldet 2004, **AP**, Rabat-Salé-Kénitra; Bourquia et al. 2019

Culicoides (Wirthomyia) faghihi Navai, 1971

Kremer et al. 1975, **AA**, Tafraout, Souss-Massa; Chaker et al. 1979; Remm 1988a; Hervy et al. 1994; Dakki 1997; Bourquia et al. 2019

Culicoides (Wirthomyia) minutissimus (Zetterstedt, 1855)

Referred as *C. pumilus*

Culicoides (Wirthomyia) pumilus (Winnertz, 1852)

Kremer et al. 1975, **AP**, Safi, **MA**, Ifrane, Imouzzet-du-Kander, Fès-Meknès, **HA**, Setti Fatma, Marrakech; Chaker et al. 1979; Dakki 1997; Bourquia et al. 2019

Culicoides calloti Kremer, Delécolle, Bailly-Choumara & Chaker, 1979

Chaker et al. 1979, **AA**, Souss Massa, **SA**, Guelmim-Oued Noun; Kremer et al. 1979, **AA**, Tarhijgt, Aït Ouaballi, Souss Massa, **SA**, Guelmim-Oued Noun; Chaker et al. 1980; Remm 1988a; Hervy et al. 1994; Borkent and Wirth 1997; Baylis et al. 1997; Dakki 1997; Koçak and Kemal 2010; Borkent 2012; Bourquia et al. 2019

Ceratopogonini

***Alluaudomyia* Kieffer, 1913**

Alluaudomyia hygropetrica Vaillant, 1954

Vaillant 1956b, **HA**, Sidi Chamarouch

Palpomyiini

Bezzia* Kieffer, 1899Bezzia* (*Bezzia*) *nigritula* (Zetterstedt, 1838)= *Palpomyia tenebricosa* Goetghebuer, 1912, in Vaillant 1956b: 241Vaillant 1956b, **HA**, Tamesrit***Palpomyia* Meigen, 1818***Palpomyia helviscutellata* Borkent, in Borkent & Wirth 1997= *Dasyhelea flavoscutellata* (Zetterstedt, 1850), in Vaillant 1956b: 244Vaillant 1956b, **HA**, Tahanaout

Forcipomyiinae

Dasyheleini

Dasyhelea* Kieffer, 1911Dasyhelea* (*Prokempia*) *flaviventris* (Goetghebuer, 1910)

Dominiak 2012

Dasyhelea (*Pseudoculicoides*) *turficola* Kieffer, 1925

Dominiak 2012

Leptoconopinae

Leptoconops* Skuse, 1889Leptoconops* (*Holoconops*) *laurae* (Weiss, 1912)

Remm 1988b

CHIRONOMIDAE

K. Kettani

Number of species: **412**. Expected: 600

Faunistic knowledge of the family in Morocco: good

Buchonomyiinae

Buchonomyia* Fittkau, 1955Buchonomyia thienemanni* Fittkau, 1955Ashe and O'Connor 2009; Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m); Kettani and Langton 2012; Ashe et al. 2015, **Rif**, Oued Kelaâ (Akoumi, 400 m); Kettani and Moubayed-Breil 2018, **Rif**

Podonominae

Paraboreochlus* Thienemann, 1939Paraboreochlus minutissimus* (Strobl, 1895)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Tanypodinae
Macropelopiini

***Apsectrotanypus* Fittkau, 1962**

Apsectrotanypus trifascipennis (Zetterstedt, 1838)

Kettani et al. 2010, **Rif**, Aïn Abou Hayane (Tiouertiouane, 880 m), Oued Maggou (Maggou village, 777 m), Oued Kanar (Gorges Kanar, 280 m); Kettani and Langton 2012

***Macropelopia* Thienemann, 1916**

Macropelopia adaucta Kieffer, 1916

Kettani and Langton 2011, **Rif**, Fifi, Issaguen; Kettani and Langton 2012

Macropelopia nebulosa (Meigen, 1804)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Oued Siflaou; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

***Psectrotanypus* Kieffer, 1909**

Psectrotanypus varius (Fabricius, 1787)

Kettani et al. 1996; Kettani et al. 1997, **Rif**, Ras el Ma (Chefchaouen); Kettani et al. 2001; Ashe and O'Connor 2009; Kettani et al. 2010, **Rif**, Oued Tassikeste (Afechtal, 240 m); Kettani and Langton 2012

Pentaneurini

***Ablabesmyia* Johannsen, 1905**

Ablabesmyia (Ablabesmyia) ebbae Lehmann, 1981

Lehmann 1981; Azzouzi and Laville 1987; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

Ablabesmyia (Ablabesmyia) longistyla Fittkau, 1962

El Mezdi and Giudicelli 1985, **HA**, Khetaras de Marrakech; Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, aval Barrage Talembote, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou); Kettani et al. 2001; Ashe and O'Connor 2009; Kettani et al. 2010, **Rif**, source Maggou (Maggou, 1300 m), Oued Talembote; Kettani and Langton 2012

Ablabesmyia (Ablabesmyia) monilis (Linnaeus, 1758)

Reiss 1977, **Rif**, Tétouan, **HA**, kranichsee (Dra-Tal); Azzouzi and Laville 1987, **Rif**, retenue El Makhazine; El Mezdi and Giudicelli 1985, **HA**, Khet-

taras de Marrakech; Naya 1988, **MA**, Haut Sebou; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

***Conchapelopia* Fittkau, 1957**

Conchapelopia (Conchapelopia) melanops (Meigen, 1818)

Kettani et al. 1996; Kettani et al. 1997, **Rif**, Ras el Ma (Chefchaouen); Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

Conchapelopia (Conchapelopia) pallidula (Meigen, 1818)

Kettani and Moubayed-Breil 2018, **Rif**

Conchapelopia (Conchapelopia) viator (Kieffer, 1911)

= *Conchapelopia* Pe 1 Langton 1991 in Kettani et al. 1994: 28, Kettani et al. 1995: 256

Azzouzi et al. 1992, **HA**, Gorges de Dadès (Imdiazen, 1900 m); Kettani et al. 1994; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Ashe and O'Connor 2009; Kettani and Langton 2012

***Larsia* Fittkau, 1962**

Larsia atrocincta (Goetghebuer, 1942)

Azzouzi et al. 1992, **HA**, Gorges de Dadès (Imdiazen, 1900 m); Kettani et al. 1994, **Rif**, Oued Moulay Bouchta; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Larsia curticalcar (Kieffer, 1918)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani et al. 2010, **Rif**, Nord Maggou village (Maggou, 905 m); Kettani and Langton 2012

***Nilotanypus* Kieffer, 1923**

Nilotanypus dubius (Meigen, 1804)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Oued Siflaou, Oued Moulay Bouchta, aval Oued Tassikeste; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Kanar (Gorges Kanar, 280 m), Oued Tassikeste (Afechtal, 240 m), Oued Talembote (Usine électrique, 120 m), Oued Laou (Afertane, 55 m); Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

***Paramerina* Fittkau, 1962**

Paramerina cingulata (Walker, 1856)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997;

Kettani et al. 1997, **Rif**, Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Ashe and O'Connor 2009; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Paramerina divisa (Walker, 1856)

Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and Langton 2012

Paramerina mauretana Fittkau, 1962

Fittkau 1962, **Atlas** (850 m), **SA**; Azzouzi and Laville 1987; Ashe and Cranston 1990, **EM**, Figuig; Kettani et al. 2001; Ashe and O'Connor 2009, **EM**, Figuig; Kettani et al. 2010, **Rif**, Oued Tassikeste (Afechtal, 240 m); Kettani and Langton 2012

Paramerina spec. Greichenland (Fittkau, 1962)

Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Laville and Langton 2002; Kettani et al. 2010, **Rif**, Oued Chrafat (Armotah, 900 m), Oued Talembote (aval Barrage Talembote, 245 m); Kettani and Moubayed-Breil 2018, **Rif**

***Pentaneurella* Fittkau & Murray, 1983**

Pentaneurella sp. Ourika

Azzouzi et al. 1992, **HA**; Kettani et al. 2001

***Rheopelopia* Fittkau, 1962**

Rheopelopia maculipennis (Zetterstedt, 1838)

Naya 1988, **MA**, Haut et Moyen Sebou; Azzouzi and Laville 1987, **MA**, Oumer-Rbia, **HA**, Tensift; Kettani et al. 1994, **Rif**, Oued Siflaou, Oued Moulay Bouchta; Kettani et al. 1995, **Rif**, aval Oued El Kbir, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Ashe and O'Connor 2009; Kettani et al. 2010, **Rif**, Ruisselet maison forestière (Talassemiane, 1683 m), Source Maggou (Maggou, 1300 m), Oued Talembote (avant village Talembote, 320 m), Oued Tassikeste (Afechtal, 240 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Rheopelopia murrayi Dowling, 1983

Dowling 1983, **AA**, Tata (Moyen Draa); Ashe and Cranston 1990; Kettani et al. 2001; Ashe and O'Connor 2009; 2012; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Rheopelopia ornata (Meigen, 1838)

Azzouzi and Laville 1987, **MA**, Oued Fès; Kettani et al. 1995, **Rif**, Oued El Kbir, amont Oued Nakhla, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani

et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Ashe and O'Connor 2009; Kettani et al. 2010, **Rif**, Oued Talembote (avant village Talembote, 320 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

***Telopelopia* Roback, 1971**

Telopelopia fascigera (Verneaux, 1970)

= *Telopelopia maroccana* Murray, 1980, in Reiss 1977: 91, Murray 1980: 151, Azzouzi and Laville 1987: 218, Ashe and Cranston 1990: 133

Reiss 1977, **AP**, Larache, **HA**, Dra-Tal; Murray 1980, **AP**, Larache, **HA**, Dra-Tal; Azzouzi and Laville 1987; Ashe and Cranston 1990; Azzouzi and Laville 1987, **MA**, Oum-er-Rbia; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

***Telmatopelopia* Fittkau, 1962**

Telmatopelopia nemorum (Goetghebuer, 1921)

Kettani et al. 1996, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

***Thienemannimyia* Fittkau, 1957**

Thienemannimyia (*Thienemannimyia*) *berkaneae* Dowling, 1987

Dowling 1987, **EM**, Berkane; Azzouzi et al. 1992, **EM**, Environs de Berkane, **HA**, Ouarzazate (1160 m), Oasis Meski (1160 m), Aït Saoun; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Thienemannimyia (*Thienemannimyia*) *carnea* (Fabricius, 1805)

Kettani and Langton 2012, **Rif**

Thienemannimyia (*Thienemannimyia*) *choumara* Dowling, 1983

Dowling 1983, **EM**, Environ de Berkane (Monts de Bni Snassen), **HA**, Souk des Judais (Marrakech); Azzouzi et al. 1987, **HA**, Dra-Tal; Ashe and Cranston 1990; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

Thienemannimyia (*Thienemannimyia*) *geijskesi* (Goetghebuer, 1934)

Kettani and Langton 2012, **Rif**, Oued Zarka

Thienemannimyia (*Thienemannimyia*) *laeta* (Meigen, 1818)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Thienemannimyia (*Thienemannimyia*) *lentiginosa* (Fries, 1823)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Thienemannimyia (*Thienemannimyia*) *northumbrica* (Edwards, 1929)

Fittkau 1962; Azzouzi and Laville 1987, **MA**, Oum-er-Rbia; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Dakki

et al. 2008, **MA**, Oued Sebou; Ashe and O'Connor 2009; Kettani and Langton 2012

***Trissopelopia* Kieffer, 1923**

Trissopelopia longimana (Staeger, 1839)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

***Xenopelopia* Fittkau, 1962**

Xenopelopia falcigera (Kieffer, 1911)

Kettani and Langton 2011, **Rif**, Anasser, Fifi, **AP**, marais de Loukous; Kettani and Langton 2012

Xenopelopia nigricans (Goetghebuer, 1927)

Kettani et al. 1994, **Rif**, aval Oued Talembote (usine électrique); Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani et al. 2010, **Rif**, Oued Talembote (aval affluent Talembote, 155 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

***Zavrelimyia* Fittkau, 1962**

Zavrelimyia (Zavrelimyia) barbatipes (Kieffer, 1911)

Naya 1988, **MA**, Moyen Sebou; Kettani et al. 2001; Ashe and O'Connor 2009 (?); Kettani et al. 2010, **Rif**, Oued Tiffert (Tiffert Talassemthane, 1230 m), Aïn Abou Hayane (Tiouertiouane, 880 m), Oued Abiyati (Ifansa, 140 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Zavrelimyia (Zavrelimyia) berberi Fittkau, 1962

Azzouzi and Laville 1987; Ashe and Cranston 1990, **HA**, Tamhda; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Zavrelimyia (Zavrelimyia) hirtimana (Kieffer, 1918)

Kettani and Langton 2012

Zavrelimyia (Zavrelimyia) melanura (Meigen, 1804)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Zavrelimyia (Zavrelimyia) nubila (Meigen, 1830)

Kettani and Langton 2011, **Rif**, marais de Lemtahane (PNPB), Dayat Aïn Rami, Dayat Amlay; Kettani and Langton 2012

Procladiini

***Procladius* Skuse, 1889**

Procladius (Holotanypus) brevipetiolatus (Goetghebuer, 1935)

Azzouzi et al. 1992, **HA**, Oued Meski (1160 m), Khettaras de Marrakech; Kettani et al. 2001; Kettani and Langton 2012

Procladius (Holotanypus) choreus (Meigen, 1804)

Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Azzouzi and Laville 1987, **AP**, Mer-

ja Sidi Boughaba; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote; Kettani et al. 1995, **Rif**, amont Oued Nakhla, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 2010, **Rif**, Ain Talassemrane (Talassemrane, 1700 m), Oued Talembote (aval Barrage Talembote, 245 m), Oued Tassikeste (Afechtal, 240 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Procladius (Holotanypus) culiciformis (Linnaeus, 1767)

Kettani and Moubayed-Breil 2018, **Rif**

Procladius (Holotanypus) noctivagus (Kieffer, 1910)

Azzouzi et al. 1992, **HA**, Ouarzazate (1160 m); Kettani et al. 2001; Kettani and Langton 2012

Procladius (Holotanypus) sagittalis (Kieffer, 1909)

Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Procladius (Psilotanypus) anomalus Kieffer, 1906

Nomen dubium in Ashe and O'Connor 2009: 213

Naya 1988, **MA**; Kettani et al. 2001; Kettani and Langton 2012

Procladius Pe 3 Langton 1991

Kettani et al. 1994, Kettani et al. 1995, **Rif**, Oued Mhajrat; Kettani et al. 1996; Kettani et al. 2001; Dakki 1997

Tanypodini

***Tanypus* Meigen, 1803**

Tanypus (Tanypus) brevipalpis (Kieffer, 1923)

Reiss 1977, **EM**, Berkane; Ashe and O'Connor 2009 (?); Kettani and Langton 2012

Tanypus (Tanypus) kraatzi (Kieffer, 1912)

Azzouzi et al. 1992, **HA**, Oasis Meski; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

Tanypus (Tanypus) punctipennis Meigen, 1818

Reiss 1977, **EM**, Berkane; El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Azzouzi and Laville 1987, **HA**, Oued Tensift; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Diamesinae

Boreoheptagyiini

***Boreoheptagya* Brundin, 1966**

Boreoheptagya legeri (Goetghebuer, 1933)

= *Boreoheptagya punctulata* (Goetghebuer, 1934), in Kettani et al. 2001: 327

Ashe and Cranston 1990; Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Diamesini

Diamesa Meigen, 1835

Diamesa aberrata Lundbeck, 1898

Saether 1968; Serra-Tosio 1973; Fittkau and Reiss 1987; Serra-Tosio 1983; Azzouzi and Laville 1987, **HA** (2500–3350 m); Ashe and Cranston 1990; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

Diamesa bertrami Edwards, 1935

Serra-Tosio 1983, **HA**, Gorges de Todra (2500 m); Azzouzi and Laville 1987, **HA**, Gorges Todra; Ashe and Cranston 1990; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

Diamesa hamaticornis Kieffer, 1924

Reiss 1977; Serra-Tosio 1983, **HA**, M'Goum; Azzouzi and Laville 1987, **HA**, M'Goum; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Diamesa insignipes Kieffer, 1908

Serra-Tosio 1983, **HA** (2500 m); Azzouzi and Laville 1987; Naya 1988, **MA**, Haut and Moyen Sebou; Ashe and Cranston 1990; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Diamesa latitarsis (Goetghebuer, 1921)

Vaillant 1955b; Vaillant 1956b, **HA**, Asif Tessaout (M'Goum), Lac Tamhda (Anremmer); Serra-Tosio 1967; Serra-Tosio 1967; Saether 1968; Serra-Tosio 1973; Azzouzi and Laville 1987, **HA**; Ashe and Cranston 1990; Kettani et al. 2001, Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Diamesa steinboeckii Goetghebuer, 1933

Vaillant 1956b, **HA**, Cascade Siroua, Oukaïmeden, Sidi Chamarouch

Diamesa tonsa (Haliday in Walker, 1856)

= *Diamesa thienemanni* Kieffer, 1909

Naya 1988, **MA**, Haut Sebou (Arhbalou Yahya, Oued Arbi, Pont Aït hamza); Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2011, **Rif**, Oued Ketama, Oued Sgara; Kettani and Langton 2012

Diamesa vaillanti Serra-Tosio, 1972

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

Diamesa veletensis Serra-Tosio, 1971

Serra-Tosio 1983, **HA** (2500 m); Azzouzi and Laville 1987, **HA**; Ashe and Cranston 1990; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Diamesa zernyi Edwards, 1933

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

Potthastia* Kieffer, 1922Potthastia gaedii* (Meigen, 1838)

Azzouzi and Laville 1987, **MA**, oued Boufekrane, Oued Fès, Oued Oumer-Rbia; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Oued Talembote (usine électrique), Oued Afertane, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani et al. 2010, **Rif**, Oued Laou, Oued Afertane; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Potthastia pastoris (Edwards, 1933)

Kettani and Moubayed-Breil 2018, **Rif**

Pseudodiamesa* Goetghebuer, 1939Pseudodiamesa (Pseudodiamesa) branickii* (Nowicki, 1873)

Naya 1988, **MA**, Haut Sebou; Ashe and Cranston 1990; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2001; Kettani and Langton 2012

Pseudodiamesa (Pseudodiamesa) nivosa (Goetghebuer, 1928)

Naya 1988, **MA**, Moyen Sebou; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Ashe and O'Connor 2009; Kettani and Langton 2012

Symptothastia* Pagast, 1947Symptothastia zavreli* Pagast, 1947

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou; Kettani et al. 1995, **Rif**, aval Oued Krikra; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Syndiamesa* Kieffer, 1918Syndiamesa hygropterica* (Kieffer, 1909)

Naya 1988, **MA**, Moyen Sebou (Sidi Abdellah, Dar El Arsa, Pont Oulad Slimane, Pont Portugais); Ashe and Cranston 1990; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

Protanypini

Protanypus* Kieffer, 1906Protanypus morio* (Zetterstedt, 1838)

Naya 1988, **MA**, Moyen Sebou; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012

Prodiamesinae

Odontomesa* Pagast, 1947Odontomesa fulva* (Kieffer, 1919)Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia; Kettani et al. 2001; Ashe and O'Connor 2009; Kettani and Langton 2012***Prodiamesa* Kieffer, 1906***Prodiamesa olivacea* (Meigen, 1818)Naya 1988, **MA**, Haut Sebou (Haut Guigou); Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Ras el Ma (Chefchaouen); Kettani et al. 2001; Ashe and O'Connor 2009; Kettani et al. 2010, **Rif**, Maggou village, Ifansa; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Orthocladiinae

Orthocladiini

Acricotopus* Kieffer, 1921Acricotopus lucens* (Zetterstedt, 1850)Kettani and Moubayed-Breil 2018, **Rif*****Brillia* Kieffer, 1913***Brillia bifida* (Kieffer, 1909)= *Brillia modesta* (Meigen, 1830)Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Ras el Ma (Chefchaouen); Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Tamaridine (Zaouiet El Habtiyine, 819 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif***Brillia flavifrons* (Johannsen, 1905)

Kettani and Langton 2012

Brillia longifurca Kieffer, 1921Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Sebou, Oued Oum-er-Rbia; Kettani et al. 1995, **Rif**, amont Oued Nakhla, Oued Mhajrat; Kettani et al. 1996; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued Talembote (avant village Talembote, 320 m), Oued Talembote (Usine électrique, 120 m); Kettani and Langton 2012; Ashe and O'Connor 2012***Bryophaenocladus* Thienemann, 1934***Bryophaenocladus aestivus* (Brundin, 1947)Kettani and Moubayed-Breil 2018, **Rif**; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)*Bryophaenocladus flexidens* (Brundin, 1947)Kettani and Moubayed-Breil 2018, **Rif***Bryophaenocladus* cf. *furcatus* Thienemann & Strenzke, 1940Kettani and Moubayed-Breil 2018, **Rif**

Bryophaenocladus illimbatus (Edwards, 1929)

Kettani and Moubayed-Breil 2018, **Rif**; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Bryophaenocladus muscicola (Kieffer, 1906)

Kettani and Moubayed-Breil 2018, **Rif**

Bryophaenocladus nidorum (Edwards, 1929)

Kettani and Moubayed-Breil 2018, **Rif**

Bryophaenocladus subvernalis (Edwards, 1929)

Azzouzi and Laville 1987, **MA**, Oued Boufekrane; Kettani et al. 2001; Kettani and Langton 2011, **Rif**, Oued Taida (Moulay Abdelsalam); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Bryophaenocladus tuberculatus (Edwards 1929)

Kettani and Moubayed-Breil 2018, **Rif**

***Camptocladus* Wulp, 1874**

Camptocladus stercorarius (De Geer, 1976)

Kettani and Moubayed-Breil 2018, **Rif**

***Cardiocladius* Kieffer, 1912**

Cardiocladius capucinus (Zetterstedt, 1850)

Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, Oued Afertane, aval Oued Tassikeste; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m), Oued Tassikeste (Afechtal, 240 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cardiocladius fuscus Kieffer, 1924

Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Oum-er-Rbia; Naya 1988, **MA**, Haut Sebou (Amont de Aïn Tadout, Skhounate, amont confluence avec Oued Atchane, Pont Aït Hamza); Kettani et al. 1994, **Rif**, Oued Siflaou; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

***Chaetocladus* Kieffer, 1911**

Chaetocladus (*Chaetocladus*) *acuticornis* (Kieffer in Potthast, 1914)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Chaetocladus dentiforceps (Edwards, 1929)

Kettani and Moubayed-Breil 2018, **Rif**; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Chaetocladius dissipatus (Edwards, 1929)

Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Chaetocladius (Chaetocladius) melaleucus (Meigen, 1818)

Kettani and Langton 2011, **Rif**, Oued Sgara, Bab Tariouant, Bouztata; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Chaetocladius piger (Goetghebuer, 1913)

Kettani and Moubayed-Breil 2018, **Rif**

Chaetocladius (Chaetocladius) perennis (Meigen, 1830)

Kettani and Langton 2011, **Rif**, Oued Hamma; Kettani and Langton 2012

Chaetocladius (Chaetocladius) vitellinus (Kieffer in Kieffer & Thienemann, 1908)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012

***Corynoneura* Winnertz, 1846**

Corynoneura carriana Edwards, 1924

Naya 1988, **MA**, Haut Sebou (Haut Guigou, Aïn Nokra); Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Corynoneura celtica Edwards, 1924

Kettani and Langton 2011, **Rif**, Oued Hamma; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Corynoneura coronata Edwards, 1924

Kettani and Langton 2011, **Rif**, Oued Hamma; Kettani and Langton 2012; Ashe and O'Connor 2012

Corynoneura edwardsi Brundin, 1949

Kettani and Langton 2012

Corynoneura lacustris Edwards, 1924

El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Corynoneura lobata Edwards, 1924

Kettani et al. 1996, **Rif**, Oued Nakhla; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m); Azzouzi et al. 1992, **HA**; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Corynoneura scutellata Winnertz, 1846

Kettani and Moubayed-Breil 2018, **Rif**

Corynoneura Pe 2 Langton 1991

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012

Corynoneurella* Brundin, 1949Corynoneurella paludosa* Brundin, 1949

Kettani et al. 2010, **Rif**, Nord Maggou village (Maggou, 905 m), Oued Kelaâ (Akoumi, 400 m), Oued Talembote (avant village Talembote, 320 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus* van der Wulp, 1874Cricotopus* (*Cricotopus*) *albiforceps* (Kieffer in Thienemann and Kieffer 1916)

Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (*Cricotopus*) *annulator* Goetghebuer, 1927

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Talembote (avant village Talembote, 320 m), Oued Tassikeste (Afechtal, 240 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2011, **Rif**, Oued Sgara; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (*Cricotopus*) *beckeri* Hirvenoja, 1973

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1995, **Rif**, aval Oued El Kbir; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou); Kettani et al. 2001; Langton and Laville 2002; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (*Cricotopus*) *bicinctus* (Meigen, 1818)

Azzouzi and Laville 1987, **MA**, Oued Boufekrane; Naya 1988, **MA**, Haut et Moyen Sebou; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, Oued Afertane, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Source Maggou (Maggou, 1300 m), Oued Talembote (aval Barrage Talembote, 245 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (*Cricotopus*) *caducus* Hirvenoja, 1973

Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (*Cricotopus*) *ephippium* (Zetterstedt, 1838)

Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (*Cricotopus*) *levantinus* Moubayed & Hirvenoja, 1986

Kettani et al. 1996, **Rif**, Haut Maggou; Kettani et al. 1997, **Rif**, Maggou (Oued Laou); Kettani et al. 2001; Laville and Langton 2002; Kettani et al.

2010, **Rif**, Source Maggou (Maggou, 1300 m), Oued Inesmane (Adeldal, 1173 m); Kettani and Langton 2012; Ashe and O'Connor 2012

Cricotopus (Cricotopus) pallidipes Edwards, 1929

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1995, **Rif**, Oued Martil (Tamuda); Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (Cricotopus) pulchripes Verrall, 1912

Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (Cricotopus) similis Goetghebuer, 1921

Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Afertane, aval Oued Talembote (usine électrique), aval Oued Tassikeste; Kettani et al. 1995, **Rif**, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m), Oued Talembote (aval affluent Talembote, 155 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (Cricotopus) tremulus (Linnaeus, 1758)

Kettani et al. 2010, **Rif**, Oued Maggou (Maggou village, 777 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (Cricotopus) triannulatus (Macquart, 1826)

Kettani et al. 1994, **Rif**, Haut Laou, Oued Moulay Bouchta, Oued Afertane; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Talembote (aval affluent Talembote, 155 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (Cricotopus) trifascia Edwards, 1929

Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Fès, Oued Oum-er-Rbia; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Talembote (usine électrique), aval Oued Tassikeste; Kettani et al. 1995, **Rif**, aval Oued Krikra, amont Oued Nakhla, Oued Mhajrat; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued Maggou (Maggou village, 777 m), Oued Talembote (aval Barrage Talembote, 245 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (Cricotopus) vierriensis Goetghebuer, 1935

El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Fès, Oued Sebou, Oued Oum-er-Rbia, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Talembote (usine électrique), Oued Afertane, aval Oued Tassikeste, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m), Oued Talembote (aval affluent Talembote, 155 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (Isocladius) brevipalpis Kieffer, 1909

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012

Cricotopus (Isocladius) laetus Hirvenoja, 1973

Kettani et al. 1994, **Rif**, Oued Siflaou; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012

Cricotopus (Isocladius) ornatus (Meigen, 1818)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012

Cricotopus (Isocladius) sylvestris (Fabricius, 1794)

Fittkau and Reiss 1978; Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Fès, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (Isocladius) tricinctus (Meigen, 1818)

Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (Paratrichocladius) micans (Kieffer, 1918)

Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Talembote (usine électrique), Oued Afertane, aval Oued Tassikeste; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou); Dakki 1997; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Haut Maggou (1300 m), Oued Talembote, Oued Laou (Afertane, 56 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (Paratrichocladius) osellai Rossaro, 1990

Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (Paratrichocladius) rufiventris (Meigen, 1830)

El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Azzouzi and Laville 1987, **MA**, Oued Fès, Oued Boufekrane, Oued Sebou, Oued Oum-er-Rbia, **HA**, Oued Tensift; (Dar El Arsa, Pont oulad Slimane, Pont portugais); Naya 1988, **MA**, Haut et Moyen Sebou; Kettani et al. 1995, **Rif**, Oued Mhajrat; Kettani et al. 1996; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m), Oued Talembote; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cricotopus (Paratrichocladius) skirwithensis (Edwards, 1929)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

***Eukiefferiella* Thienemann, 1926**

Eukiefferiella ancyla Svensson, 1986

Kettani and Langton 2011, **Rif**, Oued Tkarae; Kettani and Langton 2012; Ashe and O'Connor 2012

Eukiefferiella bedmari Vilchez-Quero & Laville, 1988

Azzouzi and Laville 1987, **MA**, Oued Fès, Oued Oum-er-Rbia; Kettani et al. 1994, **Rif**, Haut Laou, aval Oued Talembote (usine électrique), Oued Afer-tane, aval Oued Tassikeste; Kettani et al. 1995, **Rif**, aval Oued Krikra, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Laville and Langton 2002; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m), Oued Talembote (aval Barrage Talembote, 245 m), Oued Talembote (aval affluent Talembote, 155 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Eukiefferiella brehmi Gowin, 1943

Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Source Maggou (Maggou, 1300 m), Oued Kelaâ (Akoumi, 400 m), Oued Talembote (avant village Talembote, 320 m), Oued Talembote (Usine électrique, 120 m)

Eukiefferiella brevicar (Kieffer, 1911)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Nord Maggou village (Maggou, 905 m), Oued Ametrasse (Ametrasse, 820 m); Kettani and Langton 2011, **Rif**, Oued Issaguen, Oued Ketama, Oued Sgara; Bab Tariouant, Bouztate (Fifi); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Eukiefferiella claripennis (Lundbeck, 1898)

Fittkau and Reiss 1978; Naya 1988, **MA**, Moyen Sebou (Dar Cheik Harazem); Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia; Kettani et al. 1994, **Rif**, Oued Siflaou; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana

(Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Eukiefferiella clypeata (Thienemann, 1919)

Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Oued Talembote (usine électrique); Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Eukiefferiella coerulescens (Kieffer in Zavřel, 1926)

Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia; Naya 1988, **MA**, Haut Sebou (Skhounate, Arhbalou Aberchane); Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Talembote (usine électrique), aval Oued Tassikeste, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Source Maggou (Maggou, 1300 m), Nord Maggou village (Maggou, 905 m), Oued Tamaridine (Zaouiet El Habtiyine, 819 m), Oued Maggou (Maggou village, 777 m), Oued Kelaâ (Akoumi, 400 m), Oued Talembote (aval Barrage Talembote, 245 m), Oued Talembote (aval affluent Talembote, 155 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Eukiefferiella cyanea Thienemann, 1936

Vaillant 1955b, **HA**; Fittkau and Reiss 1978; Azzouzi and Laville 1987, **HA**; Kettani et al. 1996, **Rif**, Oued Nakhla; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Eukiefferiella devonica (Edwards, 1929)

Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Eukiefferiella dittmari Lehmann, 1972

Kettani and Langton 2011, **Rif**, Oued Boujdad, Fifi; Kettani and Langton 2012, **Rif**, Oued Zarka; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Eukiefferiella fittkaui Lehmann, 1972

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012

Eukiefferiella fuldensis Lehmann, 1972

Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Eukiefferiella gracei (Edwards, 1929)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, aval Oued Tassikeste; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Eukiefferiella ilkleyensis (Edwards, 1929)

Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Eukiefferiella lobifera Goetghebuer, 1934

Azzouzi and Laville 1987, **MA**, Oued Fès, Oued Oum-er-Rbia; Kettani et al. 2001; Kettani and Langton 2011, **Rif**, Oued Ketama, Oued Sgara; Kettani and Langton 2012; Ashe and O'Connor 2012

Eukiefferiella minor (Edwards, 1929)

Vaillant 1955b, **HA** (1050 m); Vaillant 1956b, **HA**, Imi-N'Ifri; Azzouzi and Laville 1987, **HA**; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012

Eukiefferiella pseudomontana Goetghebuer, 1935

Kettani et al. 2010, **Rif**, Oued Madissouka (Talassemthane, 1530 m), Oued Dchar d'Amran (Béni M'Hamed, 1180 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Eukiefferiella similis Goetghebuer, 1939

Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Fès, Oued Sebou, Oued Oum-er-Rbia; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Eukiefferiella tirolensis Goetghebuer, 1938

Kettani et al. 1994, **Rif**, Oued Afertane; Kettani et al. 1996; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Talembote (aval affluent Talembote, 155 m); Azzouzi et al. 1992, **HA**, Oued Tensift; Dakki 1997; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Eukiefferiella Pe 2 Langton 1991

Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m); Kettani and Langton 2012

***Halocladius* Hirvenoja, 1973**

Halocladius (*Halocladius*) *varians* (Staeger, 1839)

Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; Azzouzi and Laville 1987; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Source Maggou (Maggou, 1300 m); Ashe and Cranston 1990; Kettani and Langton 2012; Ashe and O'Connor 2012

***Heleniella* Gowin, 1943**

Heleniella *dorieri* Serra-Tosio, 1967

Kettani and Langton 2012

Heleniella *ornaticollis* (Edwards, 1929)

Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, amont Oued Nakhla, Oued Mhajrat; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Source Maggou (Maggou, 1300 m), Oued Kelaâ (Akoumi, 400 m); Kettani and Langton 2012; Ashe and O'Connor 2012

Heleniella *serratosioi* Ringe, 1976

Kettani and Langton 2011, **Rif**, Oued Hamma, Bouztate (Fifi); Kettani and Langton 2012; Ashe and O'Connor 2012

***Heterotrissocladius* Spärck, 1923**

Heterotrissocladius *marcidus* (Walker, 1856)

Naya 1988, **MA**, Moyen Sebou; Kettani et al. 2001; Kettani and Langton 2012; Dakki et al. 2008, **MA**, Oued Sebou; Ashe and O'Connor 2012

***Hydrobaenus* Fries, 1830**

Hydrobaenus *conformis* (Holmgren, 1869)

Kettani and Moubayed-Breil 2018, **Rif**

***Hydrosmittia* Ferrington & Sæther, 2011**

Hydrosmittia *oxoniana* (Edwards, 1929)

= *Pseudosmittia* *recta* (Edwards, 1929), in Azzouzi and Laville 1987: 218, Kettani et al. 2001: 330, Kettani and Langton 2012: 422

Azzouzi and Laville 1987, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Hydrosmittia *ruttneri* (Strenzke & Thienemann, 1942)

Kettani and Moubayed-Breil 2018, **Rif**

***Krenosmittia* Thienemann & Krüger, 1939**

Krenosmittia *boreoalpina* (Goetghebuer, 1944)

Kettani et al. 1996, **Rif**, Oued Nakhla; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani and Langton 2012; Ashe and O'Connor 2012

Krenosmittia camptophleps (Edwards, 1929)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2011, **Rif**, Oued Ketama, Oued Sgara; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Krenosmittia halvorseni (Cranston & Sæther, 1986)

Kettani et al. 1995, **Rif**, aval Oued El Kbir; Kettani et al. 1996; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012

Krenosmittia hispanica Wülker, 1957

Kettani et al. 2001; Laville and Langton 2002; Ashe and O'Connor 2012

Limnophyes* Eaton, 1875Limnophyes difficilis* Brunidin, 1947

Kettani and Moubayed-Breil 2018, **Rif**

Limnophyes gelasinus Saether, 1990

Kettani and Moubayed-Breil 2018, **Rif**

Limnophyes habilis (Walker, 1856)

Kettani and Moubayed-Breil 2018, **Rif**

Limnophyes madeirae Sæther, 1985

Kettani and Moubayed-Breil 2018, **Rif**

Limnophyes minimus (Meigen, 1818)

Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; Azzouzi and Laville 1987, **MA**, Lac Aguelmane Azigza; Kettani et al. 2001; Kettani and Langton 2011; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Limnophyes natalensis (Kieffer, 1914)

Kettani and Moubayed-Breil 2018, **Rif**

Limnophyes ninae Sæther, 1975

Kettani et al. 1996, **Rif**, Oued Nakhla; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Limnophyes pentaplastus (Kieffer, 1921)

Kettani and Moubayed-Breil 2018, **Rif**

Limnophyes pumilio (Holmgren, 1869)

Kettani and Moubayed-Breil 2018, **Rif**

Limnophyes punctipennis (Goetghebuer, 1919)

Kettani and Langton 2012

Limnophyes Pe 1a Langton 1991

Kettani et al. 2010, **Rif**, Oued Talembote (Usine électrique, 120 m); Kettani and Langton 2012

Metriocnemus* van der Wulp, 1874Metriocnemus (Metriocnemus) albolineatus* Meigen, 1818

Kettani and Moubayed-Breil 2018, **Rif**

Metriocnemus (Metriocnemus) eurynotus (Holmgren, 1883)

= *Metriocnemus hygropetricus* Kieffer, 1912, in Ashe and O'Connor 2012: 372

= *Metriocnemus* (*Metriocnemus*) *obscuripes* (Holmgren, 1869), in Azzouzi et al. 1992: 229, Kettani et al. 2001: 329, Kettani and Langton 2012: 421

Boumezzough and Thomas 1987, **HA**, Oued Réghaya (1740 m), Imlil; Azzouzi and Laville 1987, **HA**, Oued Tensift; Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Metriocnemus (*Metriocnemus*) *fuscipes* (Meigen, 1818)

Azzouzi and Laville 1987, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Metriocnemus (*Metriocnemus*) *hirticollis* (Staeger, 1839)

Kettani and Moubayed-Breil 2018, **Rif**

Metriocnemus (*Metriocnemus*) *ursinus* Holmgren, 1869

Kettani and Moubayed-Breil 2018, **Rif**

***Nanocladius* Kieffer, 1913**

Nanocladius (*Nanocladius*) *balticus* (Palmén, 1959)

Kettani et al. 1995, **Rif**, Oued El Kbir, amont Oued Nakhla; Kettani et al. 1996; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Nanocladius (*Nanocladius*) *dichromus* (Kieffer 1906)

Kettani and Moubayed-Breil 2018, **Rif**

Nanocladius (*Nanocladius*) *parvulus* (Kieffer 1909)

Kettani and Moubayed-Breil 2018, **Rif**

Nanocladius (*Nanocladius*) *rectinervis* (Kieffer, 1911)

Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Oum-er-Rbia; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, aval Oued Tassikeste; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Source Maggou (Maggou, 1300 m), Oued Inesmane (Adeldal, 1173 m), Oued Talembote (aval Barrage Talembote, 245 m); Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

***Orthocladius* van der Wulp, 1874**

Orthocladius (*Eudactylocladius*) *fuscimanus* (Kieffer, 1908)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, aval Oued Talembote (usine électrique); Kettani et al. 1995, **Rif**, aval Oued Krikra, Oued Mhajrat; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani et al. 2010, **Rif**, source Maggou (Maggou, 1300 m), Oued Chrafat (Armotah, 900 m), Oued Tamaridine (Zaouiet El Habtiyine, 819 m), Oued Talembote (Usine électrique, 120 m), Oued Laou (Afertane,

55 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Orthocladius (Euorthocladius) ashei Sponis, 1990

= *Orthocladius luteipes* Goetghebuer, in Azzouzi and Laville 1987: 218

= *Orthocladius rivicola* Kieffer, in Azzouzi and Laville 1987: 218

Azzouzi and Laville 1987, **MA**, Oued Fès, Oued boufekrane, Oued Sebou, Oued Oum-er-Rbia; Kettani et al. 1994, **Rif**, aval Oued Talembote (usine électrique), aval Oued Tassikeste, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued Talembote (avant village Talembote, 320 m), Oued Kanar (Gorges Kanar, 280 m), Oued Talembote (aval Barrage Talembote, 245 m), Oued Talembote (Usine électrique, 120 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2011, **Rif**, Bouztate (Fifi); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Orthocladius (Euorthocladius) rivulorum Kieffer, 1909

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou; Kettani et al. 1995, **Rif**, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Orthocladius (Euorthocladius) thienemanni Kieffer, 1906

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, aval Barrage Talembote, aval Oued Talembote (usine électrique), aval Oued Tassikeste; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Tamaridine (Zaouiet El Habtiyine, 819 m), Oued Kelaâ (Akoumi, 400 m), Oued Talembote (avant village Talembote, 320 m), Oued Talembote (aval Barrage Talembote, 245 m), Oued Tassikeste (Afechtal, 240 m), Oued Talembote (Usine électrique, 120 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Orthocladius (Mesorthocladius) frigidus (Zetterstedt, 1838)

Vaillant 1955, **HA** (2900 m); Vaillant 1956b, **HA**, Lac Tamhda (Anremmer); Azzouzi and Laville 1987; Naya 1988, **MA**, Haut Sebou (Haut Guigou); Fekhaoui et al. 1993; Kettani et al. 1994, **Rif**, Haut Laou; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued Dchar d'Amran (Béni M'Hamed, 1180 m), Nord Maggou village (Maggou, 905 m), Oued Tamaridine (Zaouiet El Habtiyine, 819 m), Oued Maggou (Maggou village,

777 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Orthocladius (Orthocladius) oblidens (Walker, 1856)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2011, **Rif**, Bouztate (Fifi); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Orthocladius (Orthocladius) obumbratus Johannsen, 1905

= *Orthocladius excavatus* Brundin, in Azzouzi and Laville 1987: 218

Azzouzi and Laville 1987, **MA**, Oued Fès, Oued Oum-er-Rbia; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Talembote (usine électrique), Oued Afertane, aval Oued Tassikeste, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued Talembote (avant village Talembote, 320 m), Oued Talembote (aval Barrage Talembote, 245 m), Oued Talembote (aval affluent Talembote, 155 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012

Orthocladius (Orthocladius) pedestris Kieffer, 1909

Kettani et al. 2010, **Rif**, Oued Tassikeste (Afechtal, 240 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Orthocladius (Orthocladius) rubicundus (Meigen, 1818)

= *Orthocladius saxicola* Kieffer, in Azzouzi and Laville 1987: 218

Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Sebou, Oued Oum-er-Rbia, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Talembote (usine électrique), Oued Afertane, aval Oued Tassikeste, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued Talembote (avant village Talembote, 320 m), Oued Kanar (Gorges Kanar, 280 m), Oued Talembote (aval Barrage Talembote, 245 m), Oued Talembote (Usine électrique, 120 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Orthocladius (Orthocladius) vaillanti Langton & Cranston, 1991

Kettani and Moubayed-Breil 2018, **Rif**

Orthocladius (Symposiocladius) lignicola Kieffer in Potthast, 1914

= *Symposiocladius lignicola* Kieffer, in Kettani et al. 2010: 70

Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m); Kettani and Langton 2012; Ashe and O'Connor 2012

Orthocladius (Symposiocladius) ruffoi Rossaro & Prato, 1991

= *Orthocladius* Pe 1 Langton 1991, in Azzouzi and Laville 1987: 218

= *Rheortocladius* sp A Langton 1991, in Kettani et al. 1995: 257

= *Rheorthocladius ruffoi* Rossaro, in Kettani et al. 1997: 184

Azzouzi and Laville 1987, **MA**, Oum-er-Rbia; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Tamaridine (Zaouiet El Habtiyine, 819 m), Oued Maggou (Maggou village, 777 m), Oued Kelaâ (Akoumi, 400 m), Oued Talembote (avant village Talembote, 320 m), Oued Kanar (Gorges Kanar, 280 m), Oued Talembote (aval Barrage Talembote, 245 m), Oued Tassikeste (Afechtal, 240 m), Oued Talembote (aval affluent Talembote, 155 m), Oued Laou (Ifansa, 105 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Ashe and O'Connor 2012

***Paracricotopus* Brundin, 1956**

Paracricotopus niger (Kieffer, 1913)

Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Fès; Kettani et al. 1994, **Rif**, Oued Afertane; Kettani et al. 1995, **Rif**, amont Oued Nakhla, Oued Mahjrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou); Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Haut Maggou, Oued Tamaridine (Zaouit et Habtyène, 819 m), Oued Kelaâ (Akoumi, 400 m), Oued Kanar (Gorges Kanar, 280 m), Oued Talembote (155 m), Oued Tassikeste (240 m), Oued Laou (Ifansa, 105 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

***Parakiefferiella* Thienemann, 1936**

Parakiefferiella coronata (Edwards, 1929)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012

Parakiefferiella wuelkeri Moubayed, 1994

= *Parakiefferiella* sp. d Wülker, in Azzouzi et al. 1992: 230

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1995, **Rif**, aval Oued El Kbir; Kettani et al. 1996; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012

***Parametriocnemus* Goetghebuer, 1932**

Parametriocnemus boreoalpinus Gowin & Thienemann, 1942

Kettani and Langton 2011, **Rif**, Oued Taida (Moulay Abdelsalam); Kettani and Langton 2012; Ashe and O'Connor 2012

Parametriocnemus stylatus (Spärck, 1923)

Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Fès, Oued Oumer-Rbia; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Talembote (usine électrique), Oued Afertane, aval Oued Tassikeste; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued Béni M'Hamed (1330 m), Haut Maggou (1300 m), Oued Kelaâ (Akoumi, 400 m), Oued Talembote (320 m), Oued Tassikeste (Afechtal, 240 m), Oued Laou (Afertane, 56 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Parametriocnemus valescurensis Moubayed & Langton, 1999

Kettani and Langton 2011, **Rif**, Oued Issaguen; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Parametriocnemus Pe 1 Langton 1991

Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Haut Maggou (1300 m), Oued Talembote (320 m); Kettani and Langton 2012

Paraphaenocladus Thienemann, 1924*Paraphaenocladus exagitans* ssp. 1

Kettani and Moubayed-Breil 2018, **Rif**

Paraphaenocladus impensus impensus (Walker, 1856)

Kettani and Moubayed-Breil 2018, **Rif**

Paraphaenocladus irritus Walker, 1856

Kettani and Moubayed-Breil 2018, **Rif**

Paraphaenocladus pseudirritus Strenzke, 1950

Kettani and Moubayed-Breil 2018, **Rif**

Paratrissocladius Zavřel, 1937*Paratrissocladius excerptus* (Walker, 1856)

Kettani et al. 1996, **Rif**, Ras el Ma (Chefchaouen); Kettani et al. 1997, **Rif**, Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Parorthocladus Thienemann, 1935*Parorthocladus nudipennis* (Kieffer in Kieffer & Thienemann 1908)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Psecrocladius* Kieffer, 1906Psecrocladius* (*Allopsecrocladius*) *obvius* (Walker, 1856)= *Psecrocladius dilatatus* (van der Wulp, 1859), in Naya 1988: 48Naya 1988, **MA**, Moyaen Sebou; Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2011, **Rif**, sources de Issaguen; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif***Psecrocladius* (*Allopsecrocladius*) *platypus* (Edwards, 1929)Kettani and Moubayed-Breil 2018, **Rif***Psecrocladius* (*Mesopsecrocladius*) *barbatipes* Kieffer, 1923Kettani et al. 1994, **Rif**, aval Oued Talembote (usine électrique); Kettani et al. 1995, **Rif**, Oued Mhajat; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Haut Maggou (1300 m), Oued Laou (Afertane, 56 m); Dakki 1997; Kettani and Langton 2012; Ashe and O'Connor 2012*Psecrocladius* (*Psecrocladius*) *brehmi* Kieffer, 1923Kettani et al. 1995, **Rif**, Oued Mhajat; Kettani et al. 1996; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012*Psecrocladius* (*Psecrocladius*) *fennicus* Storå, 1939

Kettani and Langton 2012

Psecrocladius (*Psecrocladius*) *limbatellus* (Holmgren, 1869)Wülker 1959; Azzouzi and Laville 1987, **HA**, Lac Tamhda (2800 m); Kettani et al. 2001; Kettani and Langton 2011, **AP**, marais de Loukous; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif***Psecrocladius* (*Psecrocladius*) *octomoculatus* Wülker, 1956Kettani et al. 1995, **Rif**, Oued Mhajat; Kettani et al. 1996; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012*Psecrocladius* (*Psecrocladius*) *sordidellus* (Zetterstedt, 1838)Azzouzi and Laville 1987, **MA**, Lac Aguelmane Azigza; Kettani et al. 2001; Kettani and Langton 2011, **AP**, marais de Loukous (NE Boucharene); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif***Psecrocladius* (*Psecrocladius*) *ventricosus* Kieffer, 1925Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012***Pseudosmittia* Edwards, 1932***Pseudosmittia albipennis* (Goetghebuer, 1921)Kettani and Moubayed-Breil 2018, **Rif***Pseudosmittia baueri* Strenzke, 1960Kettani and Moubayed-Breil 2018, **Rif***Pseudosmittia danconai* (Marcuzzi, 1947)Kettani and Moubayed-Breil 2018, **Rif***Pseudosmittia holsata* Thienemann & Stenzke, 1940Kettani and Moubayed-Breil 2018, **Rif**

Pseudosmittia obtusa Strenzke, 1960

Kettani and Moubayed-Breil 2018, **Rif**

Pseudosmittia trilobata Edwards, 1929

Kettani and Moubayed-Breil 2018, **Rif**

***Pseudorthocladius* Goetghebuer, 1943**

Pseudorthocladius (*Pseudorthocladius*) *berthelemyi* Moubayed, 1990

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Laville and Langton 2002; Kettani and Langton 2012; Ashe and O'Connor 2012; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Pseudorthocladius (*Pseudorthocladius*) *curtistylus* (Goetghebuer, 1921)

Azzouzi et al. 1992, **HA**, Oasis Meski (1160 m); Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012

Pseudorthocladius near Pe 3 Langton 1991

Kettani and Langton 2011, **Rif**, Bouztate (Fifi); Kettani and Langton 2012

***Rheocricotopus* Brundin, 1956**

Rheocricotopus (*Psilocricotopus*) *atripes* (Kieffer, 1913)

= *Rheocricotopus* (*Psilocricotopus*) *foveatus* (Edwards, 1929), in Naya 1988: 40

Naya 1988, **MA**, Haut Sebou (Haut Guigou); Azzouzi et al. 1992, **HA**, Oued Tensift, Gorges de Dadès (Imdiazen, 1900 m); Kettani et al. 1994, **Rif**, Haut Laou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Talembote (usine électrique), Oued Afertane; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Dakki 1997; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Talembote, Oued Tassikeste (Afechtal, 240 m), Oued Laou (Afertane, 56 m); Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Rheocricotopus (*Psilocricotopus*) *chalybeatus* subsp. *chalybeatus* (Edwards, 1929)

Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Sebou, Oued Oumer-Rbia; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, Oued Afertane, aval Oued Tassikeste, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Tamaridine (Zaouiet et Habtiyiène, 819 m); Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Rheocricotopus (*Psilocricotopus*) *gallicus* Lehamnn 1969

Kettani and Moubayed-Breil 2018, **Rif**

Rheocricotopus (*Psilocricotopus*) *glabricollis* (Meigen, 1830)

- Azzouzi and Laville 1987, **MA**, Oued Boufekrane; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Ametrasse (Ametrasse, 820 m), Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Rheocricotopus (Psilocricotopus) meridionalis* Moubayed-Breil, 2016
Kettani and Moubayed-Breil 2018, **Rif**
- Rheocricotopus (Psilocricotopus) tirolus* Lehmann, 1969
Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, Oued Mhajrat; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Azzouzi et al. 1992, **HA**, Oued Tensift; Dakki 1997; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Rheocricotopus (Rheocricotopus) effusus* (Walker, 1856)
Reiss 1977; Naya 1988, **MA**, Haut et Moyen Sebou; Fekhaoui et al. 1993; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued Tamaridine (Zaouiet et Habtiyiène, 819 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Rheocricotopus (Rheocricotopus) fuscipes* (Kieffer, 1909)
Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Maggou (905 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Rheocricotopus (Rheocricotopus) rifensis* Moubayed & Kettani, 2019
Moubayed-Breil and Kettani, **Rif**, Chrafate, Challal Sghir (Akchour)
- Synorthocladus* Thienemann, 1935**
- Synorthocladus semivirens* (Kieffer, 1909)
Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Smittia* Holmgren, 1869**
- Smittia alpicola* Goetghebuer, 1941
Kettani and Moubayed-Breil 2018, **Rif**
- Smittia aterrima* Meigen, 1818
Kettani and Moubayed-Breil 2018, **Rif**
- Smittia contingens* Walker, 1856
Kettani and Moubayed-Breil 2018, **Rif**
- Smittia foliacea* (Kieffer, 1921)
Kettani and Moubayed-Breil 2018, **Rif**
- Smittia pratorum* Goetghebuer, 1927
Kettani and Moubayed-Breil 2018, **Rif**
- Thienemannia* Kieffer, 1909**
- Thienemannia* cf. *fulvofasciata* (Kieffer, 1921)
Kettani and Moubayed-Breil 2018, **Rif**

Thienemannia gracilis Kieffer, 1909

Kettani and Moubayed-Breil 2018, **Rif**

***Thienemanniella* Kieffer, 1911**

Thienemanniella acuticornis (Kieffer, 1912)

Fittkau and Reiss 1978; Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m), Oued Talembote (320 m); Kettani and Langton 2011, **Rif**, Oued Hama, Oued Ketama, Oued Sgara; Kettani and Langton 2012; Ashe and O'Connor 2012

Thienemanniella clavicornis (Kieffer, 1911)

Kettani and Moubayed-Breil 2018, **Rif**

Thienemanniella majuscula (Edwards, 1924)

Kettani et al. 1995, **Rif**, aval Oued El Kbir; Kettani et al. 1996; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Thienemanniella vittata (Edwards, 1924)

Kettani et al. 1996, **Rif**, Haut Maggou; Kettani et al. 1997, **Rif**, Maggou (Oued Laou); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Haut Maggou (1300 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Thienemanniella Pe 2a Langton 1991

Kettani et al. 2010, **Rif**, Oued Maggou (905 m), Oued Kelaâ (Akoumi, 400 m), Oued Talembote; Kettani and Langton 2012

Thienemanniella Pe 2b Langton 1991

Kettani et al. 2010, **Rif**, Oued Maggou (905 m), Oued Talembote; Kettani and Langton 2012

***Trissocladius* Kieffer, 1908**

Trissocladius brevipalpis Kieffer in Kieffer & Thienemann 1908

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012

***Tvetenia* Kieffer, 1922**

Tvetenia bavarica (Goetghebuer, 1934)

Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia; Kettani et al. 2001; Kettani and Langton 2012; Ashe and O'Connor 2012

Tvetenia calvenscens (Edwards, 1929)

Naya 1988, **MA**, Moyen Sebou; Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Oued Talembote (usine électrique), Oued Afertane, aval Oued Tassikeste; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued

Tamaridine (Zaouiet et Habtiyène, 819 m), Oued Talembote (245 m), Oued Laou (Afertane, 56 m); Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

Tvetenia discoloripes (Goetghebuer & Thienemann in Thienemann, 1936)

Kettani and Langton 2011, **Rif**, Oued Nakhla, Bouztate (Fifi); Kettani and Langton 2012; Ashe and O'Connor 2012

Tvetenia verralli (Edwards, 1929)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta; Kettani et al. 1995, **Rif**, aval Oued El Kbir, amont Oued Nakhla; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, ruisselet maison forestière Talas-semtane (1683 m), Oued Tamaridine (Zaouiet et Habtiyène, 819 m), Oued Talembote (245 m), Oued Laou (Afertane, 56 m); Kettani and Langton 2012; Ashe and O'Connor 2012; Kettani and Moubayed-Breil 2018, **Rif**

***Zalutschia* Lipina, 1939**

Zalutschia humphriesiae Dowling & Murray, 1980

Kettani and Langton 2011, **Rif**, marais de Lemtahane (PNPB), Dayat Fifi; Kettani and Langton 2012; Ashe and O'Connor 2012

Chironominae

Chironomini

***Chironomus* Meigen, 1803**

Chironomus (*Baeotendipes*) *noctivagus* (Kieffer, 1911)

Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Chironomus (*Chironomus*) *annularius* Meigen, 1818

Azzouzi and Laville 1987, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Chironomus (*Chironomus*) *aprilinus* sensu Meigen, 1818

= *Chironomus halophilus* Kieffer, in Ramdani and Tourenq 1982: 180, in Naya 1988: 50

Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; Azzouzi and Laville 1987; Naya 1988, **MA**, Haut Sebou; Fekhaoui et al. 1993; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Chironomus (*Chironomus*) *bernensis* Klötzli, 1973

= *Chironomus* sp 1 Kettani 1994

Kettani et al. 1994; Kettani et al. 1996; Kettani et al. 2001; Dakki 1997; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Chironomus (Chironomus) calipterus Kieffer, 1908

Reiss 1977, **AP**, Larache; Fittkau and Reiss 1978; Ramdani and Tourenq 1982 **AP**, Merja Sidi Boughaba; Azzouzi and Laville 1987; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Chironomus (Chironomus) longistylus Goetghebuer, 1921

Kettani et al. 2011, **Rif**, Oued Ketama; Kettani and Langton 2012

Chironomus (Chironomus) luridus Strenzke, 1959

Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; Azzouzi and Laville 1987; Kettani et al. 2001; Kettani and Langton 2011, **Rif**, merja Mtalssi (Tamuda, 31 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Chironomus (Chironomus) nuditarsis Keyl, 1961

Kettani et al. 2011, **Rif**, Oued Boujda (Kitane, 42 m), Oued El Hatba (SIBE Jebel Moussa, 165 m); Kettani and Langton 2012, **Rif**, SIBE Jebel Moussa

Chironomus (Chironomus) piger (Strenzke, 1956)

Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; Azzouzi and Laville 1987; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Chironomus (Chironomus) plumosus (Linnaeus, 1758)

Reiss 1977, **AP**, Larache, **AA**, Dra-Tal; Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Azzouzi and Laville 1987; Naya 1988, **MA**, Sidi Abdellah, Dar Cheih Harazem, Dar El Arsa; Fekhaoui et al. 1993; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Ain Tissmelal (Tissmelal, 1046 m); Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Chironomus (Chironomus) prasinus sensu Pinder, 1978

Kettani et al. 2011, **Rif**, merja Mtalssi (Tamuda, 31 m); Kettani and Langton 2012

Chironomus (Chironomus) riparius Meigen, 1804

= *Chironomus thummi* Kieffer, in Naya 1988: 51, Fekhaoui et al. 1993: 26

Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Fès, Oued Sebou; Naya 1988, **MA**, Moyen Sebou; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, aval Barrage Talembote; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m); Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Chironomus (Chironomus) salinarius Kieffer, 1915

Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; Azzouzi and Laville 1987; Kettani et al. 2001; Kettani and Langton 2011, **Rif**, merja Mtalssi (Tamuda, 31 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Chironomus (*Chironomus*) *tentans* Fabricius, 1805

= *Camptochironomus tentans* Fabricius, 1805, in Naya 1988: 50

Naya 1988, **MA**, Moyen Sebou; Kettani et al. 2001; Kettani and Langton 2012

***Cladopelma* Kieffer, 1921**

Cladopelma virescens (Meigen, 1818)

Kettani and Moubayed-Breil 2018, **Rif**

***Cryptochironomus* Kieffer, 1918**

Cryptochironomus (*Cryptochironomus*) *albofasciatus* (Staeger, 1839)

= *Cryptochironomus obreptans* Walker, 1856, in Kettani 1994: 28

Kettani et al. 1994, **Rif**, Oued Siflaou; Kettani et al. 1996; Kettani et al. 2001;

Dakki 1997; Kettani and Langton 2012

Cryptochironomus (*Cryptochironomus*) *psittacinus* (Meigen, 1830)

Kettani et al. 1996, **Rif**, Oued Nakhla; Kettani et al. 2001; Kettani and El

Ouazzani 2005, **Rif**, Oued Nakhla; Kettani and Langton 2012

Cryptochironomus (*Cryptochironomus*) *rostratus* Kieffer, 1921

El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Azzouzi and Laville

1987, **MA**, Oued Fès, Oued Sebou, oued Oum-er-Rbia, Oued Boufekrane, **HA**,

Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou, aval Oued Laou; Kettani et

al. 1995, **Rif**, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al.

2001; Kettani and El Ouazzani 2005, **Rif**, Oued Nakhla; Dakki et al. 2008, **MA**,

Oued Sebou; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cryptochironomus (*Cryptochironomus*) *supplicans* (Meigen, 1830)

Kettani and Moubayed-Breil 2018, **Rif**

Cryptochironomus Pe 5 Langton 1991

Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou; Kettani et al. 1996; Dakki

1997; Kettani et al. 2001; Kettani and Langton 2012

***Demicryptochironomus* Lenz, 1941**

Demicryptochironomus (*Demicryptochironomus*) *vulneratus* (Zetterstedt, 1838)

Kettani et al. 1994, **Rif**, Haut Laou; Kettani et al. 1996; Dakki 1997; Kettani

et al. 2001; Kettani et al. 2010, **Rif**, Nord Maggou village (Maggou, 905 m);

Kettani and Langton 2012

Demicryptochironomus (*Irmakia*) *neglectus* Reiss, 1988

Kettani and Moubayed-Breil 2018, **Rif**

Demicryptochironomus (*Irmakia*) Pe 1 Langton 1991

Kettani et al. 1995, **Rif**, aval Oued El Kbir, Oued El Kbir, aval Oued Khemis;

Kettani et al. 2001; Kettani and Langton 2012

***Dicrotendipes* Kieffer, 1913**

Dicrotendipes collarti (Goetghebuer, 1936)

El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Kettani et al.

2001; Kettani and Langton 2012

Dicrotendipes cordatus Kieffer, 1922

Kettani et al. 1996, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 1997, **Rif**,

Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and Langton 2012

Dicrotendipes fusconotatus (Kieffer, 1922)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, aval Barrage Talembote; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Dicrotendipes modestus (Say, 1823)

Kettani et al. 2011, **Rif**, merja Mtalssi (Tamuda, 31 m); Kettani and Langton 2012

Dicrotendipes nervosus (Staeger, 1839)

= *Limnochironomus nervosus* Staeger, in Naya 1988: 53

Naya 1988, **MA**, Moyen Sebou (Sidi Abdellah); Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Dicrotendipes notatus (Meigen, 1818)

Kettani and Moubayed-Breil 2018, **Rif**

Dicrotendipes pallidicornis (Goetghebuer, 1934)

Azzouzi and Laville 1987, **Rif**, Retenue El Makhazine, **MA**, Oued Boufekrane; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Dicrotendipes peringueyanus Kieffer, 1924

Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, aval Barrage Talembote; Kettani et al. 1995, **Rif**, aval Oued Krikra, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m); Kettani and Langton 2012

Dicrotendipes septemmaculatus (Becker, 1908)

= *Dicrotendipes pilosimanus* Kieffer, in Reiss 1977: 91, Azzouzi and Laville 1987: 219

Reiss 1977, **AP**, Larache; Fittkau and Reiss 1978; Azzouzi and Laville 1987, **AP**, Larache; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, aval Barrage Talembote, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued Krikra, amont Oued Nakhla, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m); Kettani and Langton 2012

Endochironomus* Kieffer, 1918Endochironomus albipennis* (Meigen, 1830)

Naya 1988, **MA**, Haut Sebou (Skhounata); Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012

Endochironomus tendens (Fabricius, 1775)

Naya 1988, **MA**, Moyen Sebou (Gantra Mdez, Azzaba); Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012

Glyptotendipes* Kieffer, 1913Glyptotendipes* (*Caulochironomus*) *viridis* (Macquart, 1834)Naya 1988, **MA**, Moyen Sebou; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012*Glyptotendipes* (*Glyptotendipes*) *cauliginellus* (Kieffer, 1913)= *Glyptotendipes gripekoveni* (Kieffer)Naya 1988, **MA**, Haut Sebout (Guigou); Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012*Glyptotendipes* (*Glyptotendipes*) *pallens* (Meigen, 1804)Azzouzi and Laville 1987, **Rif**, Retenue El Makhazine; Naya 1988, **MA**, Moyen Sebou; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012*Glyptotendipes* sp A Langton 1991Naya 1988, **MA**, Oued Sebou; Kettani et al. 2001; Kettani and Langton 2012*Glyptotendipes* sp B Langton 1991Naya 1988, **MA**, Oued Sebou; Kettani et al. 2001; Kettani and Langton 2012***Harnischia* Kieffer, 1921***Harnischia curtilamellata* (Malloch, 1915)Azzouzi and Laville 1987, **MA**, Oued Fès, Oued Sebou; Kettani et al. 1994, **Rif**, Oued Siflaou, Oued Afertane, aval Oued Laou; Kettani et al. 1995, **Rif**, amont Oued Nakhla, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Source Maggou (Maggou, 1300 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif***Harnischia fuscimanus* Kieffer, 1921Azzouzi and Laville 1987, **Rif**, Retenue El Makhazine, **MA**, Oued Boufekrane; Kettani et al. 1995, **Rif**, Oued El Kbir, amont Oued Nakhla, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif*****Kiefferulus* Goetghebuer, 1922***Kiefferulus* (*Kiefferulus*) *tendipediformis* (Goetghebuer, 1921)Reiss 1977, **Rif**, Tétouan; Fittkau and Reiss 1978; Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; Azzouzi and Laville 1987; Ashe and Cranston 1990; Kettani et al. 2010, **Rif**, Guelta 1 km après Amariguen (Jebel Set-sou, 1280 m); Kettani et al. 2001; Kettani and Langton 2011, **Rif**, Dayat Dalia (SIBE Jebel Moussa, 169 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif*****Kloosia* Kruseman, 1933***Kloosia pusilla* (Linnaeus, 1767)Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012

Lauterborniella* Thienemann & Bause, 1913Lauterborniella agrayloides* (Kieffer, 1911)Naya 1988, **MA**, Haut Sebou; Kettani et al. 2001; Kettani and Langton 2012***Microchironomus* Kieffer, 1918***Microchironomus deribae* (Freeman, 1957)= *Leptochironomus deribae* Freeman, in Reiss 1977: 91, Ramdani and Tourenq 1982: 180Reiss 1977, **AP**, Rabat; Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; Azzouzi and Laville 1987; Ashe and Cranston 1990; Kettani et al. 2001; Kettani and Langton 2012*Microchironomus lendli* (Kieffer, 1918)Reiss 1986, **AA**, Oasis Meski; Azzouzi and Laville 1987; Kettani et al. 2001; Kettani and Langton 2012*Microchironomus tener* (Kieffer, 1918)Kettani et al. 1994, **Rif**, Oued Siflaou; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Azzouzi et al. 1992, **HA**, Oued Tensift, Barrage Lalla Takerkoust; Kettani and Langton 2012***Microtendipes* Kieffer, 1915***Microtendipes britteni* (Edwards, 1929)Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Talembote (usine électrique), Oued Afertane, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m), Oued Talembote (aval affluent Talembote, 155 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012*Microtendipes chloris* (Meigen, 1818)Kettani et al. 2011, **Rif**, Dayat En-Nâsser (Khandek En-Nâsser, 1177 m), source Bab Karn (Fifi, 1216 m), Dayat Fifi (1179 m); Kettani and Langton 2012*Microtendipes confinis* (Meigen, 1830)Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, Oued Nakhla; Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani and Langton 2012*Microtendipes diffinis* (Edwards, 1929)Reiss 1977, **AA**, Dra-Tal; Fittkau and Reiss 1978; Azzouzi and Laville 1987; Ashe and Cranston 1990; Kettani et al. 2001; Kettani et al. 2011, **Rif**, Dayat En-Nâsser (Khandek En-Nâsser, 1177 m), Dayat Aïn Rami, source Bab Karn (Fifi, 1216 m); Kettani and Langton 2012

Microtendipes pedellus (De Geer, 1776)

Reiss 1977, **Rif**, Environ de Tétouan; Fittkau and Reiss 1978; El Mezdi and Giudicelli 1985, **HA**, Khetaras de Marrakech; Azzouzi and Laville 1987, **Rif**, Tétouan, **HA**; Naya 1988, **MA**, Haut Sebou (amont Aïn Tadout, Skhounate, Arhbalou Aberchane); Ashe and Cranston 1990; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Nubensia* Spies, 2015Nubensia nubens* (Edwards, 1929)

= *Polypedilum nubens* (Edwards, 1929), in Azzouzi and Laville 1987: 219; Kettani et al. 1994: 28, 1995: 257, 1996: 137, 1997: 184, 2001: 331, 2010: 70; Dakki 1997: 65; Dakki et al. 2008: 32, Kettani and Langton 2012: 423

Azzouzi and Laville 1987, **MA**, Oued Sebou; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, Oued Afertane, aval Oued Tassikeste, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m), Oued Laou (Ifansa, 105 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Parachironomus* Lenz, 1921Parachironomus frequens* (Johannsen, 1905)

Kettani et al. 1995, **Rif**, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 2001; Kettani and Langton 2012

Parachironomus parilis (Walker, 1856)

Reiss 1977, **AP**, Environ de Larache; Azzouzi and Laville 1987, **MA**, Lac Aguelmane Azigza; Ashe and Cranston 1990; Kettani et al. 1995, **Rif**, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012

Paracladopelma* Harnisch, 1923Paracladopelma camptolabis* (Kieffer, 1913)

Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, aval Barrage Talembote; Kettani et al. 1995, **Rif**, aval Oued El Kbir, Oued Mhajrat, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Paracladopelma galaptera (Townes, 1945)

Azzouzi et al. 1992, **HA**, Ouarzazate (1140 m), Gorges de Todra (1400 m); Kettani et al. 2001; Kettani and Langton 2012

Paracladopelma graminicolor (Kieffer, 1925)

= *Cryptotendipes graminicolor* (Kieffer), in Azzouzi et al. 1992: 230

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012

Paracladopelma laminatum (Kieffer, 1921)

Reiss 1977, **AA**, Dra-Tal; Fittkau and Reiss 1978; Azzouzi and Laville 1987; Ashe and Cranston 1990; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Paracladopelma mikianum (Goetghebuer, 1937)

Kettani et al. 1996, **Rif**, Oued Nakhla; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Paralauterborniella* Lenz, 1941Paralauterborniella nigrohalteralis* (Malloch, 1915)

Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Fès, Oued Sebou; Kettani et al. 2001; Kettani and Langton 2012

Paratendipes* Kieffer, 1911Paratendipes albimanus* (Meigen, 1818)

Naya 1988, **MA**, Moyen Sebou (Mdez); Kettani et al. 1994, **Rif**, aval Barrage Talembote; Kettani et al. 1995, **Rif**, aval Oued Krikra, Oued Mhajrat, aval Oued Khemis, Oued Laou (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Paratendipes nudisquama (Edwards, 1929)

Kettani and Moubayed-Breil 2018, **Rif**

Paratendipes striatus (Kieffer, 1925)

El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Kettani et al. 2001; Kettani and Langton 2012

Phaenopsectra* Kieffer, 1921Phaenopsectra flavipes* (Meigen, 1818)

Kettani et al. 1994, **Rif**, Haut Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, Oued Mhajrat; Kettani et al. 1996; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Polypedilum* Kieffer, 1912Polypedilum* (*Pentapedilum*) *ruandae* Freeman, 1955

El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Kettani et al. 2001; Kettani and Langton 2012

Polypedilum (*Pentapedilum*) *sordens* (van der Wulp, 1875)

= *Polypedilum* sp 1, in Kettani et al. 1994: 28

Kettani et al. 1994, **Rif**, Oued Siflaou; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani

and El Ouazzani 2005, **Rif**, Oued Nakhla; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Polypedilum (Pentapedilum) uncinatum (Goetghebuer, 1921)

Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Fès; Kettani et al. 2001; Kettani and Langton 2012

Polypedilum (Polypedilum) albicorne (Meigen, 1838)

Naya 1988, **MA**, Haut Sebou; Kettani et al. 1995, **Rif**, aval Oued Krikra, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Polypedilum (Polypedilum) arundineti (Goetghebuer, 1921)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, aval Oued Talembote (usine électrique); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Talembote (aval affluent Talembote, 155 m); Kettani and Langton 2012

Polypedilum (Polypedilum) laetum (Meigen, 1818)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Polypedilum (Polypedilum) nubeculosum (Meigen, 1804)

Reiss 1977, **Rif**, Environ de Tétouan; Fittkau and Reiss 1978; Azzouzi and Laville 1987, **Rif**, Environ Tétouan, **MA**, Oued Sebou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Ashe and Cranston 1990; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Polypedilum (Polypedilum) nubifer (Skuse, 1889)

= *Polypedilum pharao* Kieffer, in Reiss 1977: 91, Naya 1998: 55, Ramdani and Tourenq 1982: 180

Kügler and Wool 1968; Reiss 1977, **AP**, Larache, Rabat; Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; Azzouzi and Laville 1987, **AP**, Environ de Larache, Rabat, Merja Sidi Boughaba; Naya 1988, **MA**, Haut Sebou; Ashe and Cranston 1990; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Polypedilum (Polypedilum) pedestre (Meigen, 1830)

Reiss 1977; Azzouzi and Laville 1987, **MA**, Oued Boufekrane; Kettani et al. 1994, **Rif**, aval Barrage Talembote; Kettani et al. 1995, **Rif**, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani et al. 2005, **Rif**, Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Polypedilum (Tripodura) acifer Townes, 1945

Reiss 1977, **AA**, Dra-Tal; Azzouzi and Laville 1987, **MA**, Oued Boufekroune, Oued Fès, Oued Sebou; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Talembote (aval affluent Talembote, 155 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012

Polypedilum (Tripodura) aegyptium Kieffer, 1925

= *Polypedilum pruina* Freeman, in Reiss 1977: 91

Reiss 1977, **AP**, Larache, **HA**, Marrakech, **AA**, Dra-Tal; Reiss 1985; Azzouzi and Laville 1987, **AP**, Larache, **HA**, Marrakech, **AA**, Gorges de Todra; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, aval Oued Talembote (usine électrique), Oued Afertane; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Tassikeste (Afechtal, 240 m); Kettani and Langton 2012

Polypedilum (Tripodura) bicrenatum Kieffer, 1921

Azzouzi and Laville 1987, **MA**, Oued Sebou; Kettani et al. 2001; Kettani and Langton 2012

Polypedilum (Tripodura) pullum (Zetterstedt, 1838)

El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Oum-er-Rbia, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012

Polypedilum (Tripodura) quadriguttatum Kieffer, 1921

Naya 1988, **MA**, Moyen Sebou; Kettani et al. 1995, **Rif**, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012

Polypedilum (Tripodura) scalaenum (Schränk, 1803)

Reiss 1977, **AA**, Dra-Tal; Fittkau and Reiss 1978; Azzouzi and Laville 1987; Kettani et al. 1996, **Rif**, Ras el Ma (Chefchaouen); Ashe and Cranston 1990; Kettani et al. 2001; Kettani and Langton 2012

Polypedilum (Tripodura) tetracrenatum Hirvenoja, 1962

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012

Polypedilum (Tripodura) tridens Freeman, 1955

El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Kettani et al. 2001; Kettani and Langton 2012

Polypedilum (Uresipedilum) convictum (Walker, 1856)

Reiss 1977, **AP**, Environ de Larache; Fittkau and Reiss 1978; Azzouzi and Laville 1987, **MA**, Oued Boufekrane (Gantra Mdez), Naya 1988, **MA**, Haut Sebou; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Tassikeste; Kettani et al. 1995, **Rif**, aval Oued El

- Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, Oued Nakhla; Dakki et al. 2008, **MA**, Oued Sebou; Kettani et al. 2010, **Rif**, Oued pont Béni M'Hamed (Béni M'Hamed, 1330 m), Oued Talembote (avant village Talembote, 320 m), Oued Talembote (aval Barrage Talembote, 245 m), Oued Tassikeste (Afechtal, 240 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Polypedilum (Uresipedilum) cultellatum* Goetghebuer, 1931
Fittkau and Reiss 1978; Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia; Kettani et al. 1996, **Rif**, Oued Nakhla; Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, Oued Nakhla; Kettani and Langton 2012
- Polypedilum ontario*-group sp. 1
Kettani et al. 1995, **Rif**, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 2001; Kettani and Langton 2012
- Rheomus* Laville & Reiss, 1988**
- Rheomus alatus* Laville & Reiss, 1988
Azzouzi and Laville 1987, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012
- Rheomus yahiae* Laville & Reiss, 1988
Azzouzi and Laville 1987, **MA**, Oued Fès; Kettani et al. 2001; Kettani and Langton 2012
- Stenochironomus* Kieffer, 1919**
- Stenochironomus gibbus* Fabricius, 1794
Kettani and Moubayed-Breil 2018, **Rif**
- Stictochironomus* Kieffer, 1919**
- Stictochironomus cafrarius* (Kieffer, 1921)
Reiss 1977; Azzouzi and Laville 1987; Kettani et al. 2001; Kettani and Langton 2012
- Stictochironomus maculipennis* (Meigen, 1818)
Azzouzi and Laville 1987, **MA**, Oued Sebou; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Afertane; Kettani et al. 1995, **Rif**, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Laou (Afertane, 55 m); Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Stictochironomus pictulus* (Meigen, 1830)
Reiss 1977, **AP**, Environ de Larache; Fittkau and Reiss 1978; Azzouzi and Laville 1987; Ashe and Cranston 1990; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou; Kettani et al. 1995, **Rif**, aval Oued Kbir, aval Oued Krikra, Oued El Kbir; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued

- Khizana (Oued Laou); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, Oued Nakhla; Kettani and Langton 2012
- Stictochironomus rosenschoeldi* Zetterstedt, 1838
Kettani and Moubayed-Breil 2018, **Rif**
- Stictochironomus reissi* Cranston, 1989
= *Stictochironomus* sp. nov. Reiss, in Reiss 1977: 91
Reiss 1977; Azzouzi and Laville 1987, **AA**, M'Hamid, Dra-Tal; Kettani et al. 2001; Kettani and Langton 2012
- Stictochironomus sticticus* (Fabricius, 1781)
= *Stictochironomus histrio* (Fabricius, 1794), in Kettani et al. 1996: 138
Azzouzi and Laville 1987, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2011, **Rif**, Oued Berranda (Bouztate, 1259 m), Dayat Dalia (SIBE Jebel Moussa); Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m); Kettani and Langton 2012
- Stictochironomus* Pe 2 Langton 1991
Kettani et al. 2001
- Xenochironomus* Kieffer, 1921**
- Xenochironomus xenolabis* (Kieffer, 1916)
Azzouzi and Laville 1987, **MA**, Oued Fès; Kettani et al. 2001; Kettani and Langton 2012

Tanytarsini

***Cladotanytarsus* Kieffer, 1921**

- Cladotanytarsus* (*Cladotanytarsus*) *atridorsum* Kieffer, 1924
Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; Azzouzi and Laville 1987; Azzouzi et al. 1992, **HA**, Aït Saoun, Gorges de Dadès (1900 m), vallée de Drâa, Marrakech; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, aval Barrage Talembote, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, amont Oued Nakhla, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Cladotanytarsus* (*Cladotanytarsus*) *capensis* (Freeman, 1954)
El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Kettani et al. 2001; Kettani and Langton 2012
- Cladotanytarsus* (*Cladotanytarsus*) *ecristatus* Reiss, 1991
= *Tanytarsus* sp. nov. (Morokko) Reiss, in Azzouzi and Laville 1987: 219
Reiss 1977, **AA**, Dra-Tal; Azzouzi and Laville 1987, **EM**, Berkane; Reiss 1991; Azzouzi et al. 1992, **HA**; Kettani et al. 2001; Kettani and Langton 2012
- Cladotanytarsus* (*Cladotanytarsus*) *mancus* (Walker, 1856)
Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; Azzouzi and Laville 1987; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Cladotanytarsus (*Cladotanytarsus*) *pallidus* Kieffer, 1922= *Cladotanytarsus* Pe 5 Langton 1984Azzouzi and Laville 1987, **MA**, Oued Sebou, Oum Rbia; Kettani et al. 2001; Kettani and Langton 2012*Cladotanytarsus* (*Cladotanytarsus*) *vanderwulpi* (Edwards, 1929)Azzouzi and Laville 1987, **HA**, Oued Tensift; Kettani et al. 1995, **Rif**, aval Oued El Kbir, Oued Mhajrat, Oued Martil (Tamuda); Kettani et al. 1996; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif***Lithotanytarsus* Thienemann, 1933*Lithotanytarsus* *dadesi* Reiss, 1991Reiss 1991; Azzouzi et al. 1992, **HA**, Gorges de Dadès (Imdiazen, 1900 m); Kettani et al. 1994, **Rif**, aval Oued Talembote (usine électrique), Oued Afer-tane; Kettani et al. 1995, **Rif**, Oued Mhajrat; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Tassikeste (Afechtal, 240 m), Oued Talembote (aval affluent Talembote, 155 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif***Lithotanytarsus* *emarginatus* (Goetghebuer, 1933)Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia; Kettani and Langton 2012*Micropsectra* Kieffer, 1909*Micropsectra* *andalusiaca* Marcuzzi, 1950Kettani and Moubayed-Breil 2018, **Rif***Micropsectra* *apposita* (Walker, 1856)= *Micropsectra contracta* Reiss, 1965Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, aval Oued Talembote (usine électrique); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Chrafat (Armotah, 900 m), Oued Kelaâ (Akoumi, 400 m), Oued Talembote (aval affluent Talembote, 155 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif***Micropsectra* *aristata* Pinder, 1976Kettani and Langton 2012, **Rif**, Oued Zarka*Micropsectra* *atrofasciata* (Kieffer, 1911)= *Micropsectra bidentata* (Goetghebuer, 1921), in Azzouzi et al. 1992: 230; Kettani et al. 2001: 332; Kettani and Langton 2011: 590, 2012: 424Fittkau and Reiss 1978; El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Azzouzi and Laville 1987, **MA**, Oued Sebou (Arhbalou Aberchane), Oued Oum-er-Rbia; Naya 1988, **MA**, Haut Sebou; Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Oued Talembote (usine électrique); Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Oued Khi-

- zana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Madissouka (Talassemthane, 1530 m), Oued Chrafat (Armotah, 900 m), Oued Kelaâ (Akoumi, 400 m), Oued Talembote (aval affluent Talembote, 155 m); Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2011, **Rif**, Oued Taida (Moulay Abdelsalam, 650 m), cascade Zarka, Dayat En-Nâsser (Khandek En-Nâsser, 1177 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Micropsectra junci* (Meigen, 1818)
Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Micropsectra lacustris* Säwedat, 1975
Kettani and Langton 2012, **Rif**, Oued Zarka
- Micropsectra lindrothi* Goetghebuer, 1931
Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Micropsectra notescens* (Walker, 1856)
Kettani et al. 2010, **Rif**, Oued Talembote (aval affluent Talembote, 155 m); Kettani and Langton 2011, **Rif**, Oued Ketama, Oued Sgara, ruisseau Bab Tariouant, Oued Berranda (Bouztate, 1259 m), source Bab Karn (Fifi, 1220 m), Dayat Fifi (Fifi, 1179); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Micropsectra pallidula* (Meigen, 1830)
Kettani and Moubayed-Breil 2018, **Rif**
- Micropsectra schrankelae* Stur & Ekrem, 2006
Kettani and Moubayed-Breil 2018, **Rif**
- Micropsectra zernyi* Marcuzzi, 1950
Kettani and Moubayed-Breil 2018, **Rif**
- Paratanytarsus* Thienemann & Bause, 1913**
- Paratanytarsus bituberculatus* (Edwards, 1929)
Azzouzi et al. 1992, **MA**, Lac Aguelmane Azigza (1510 m); Kettani et al. 1995, **Rif**, Oued Martil (Tamuda); Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and Langton 2012
- Paratanytarsus dissimilis* (Johannsen, 1905)
= *Paratanytarsus confusus* Palmén, 1960, in Naya 1988: 40; Dakki et al. 2008: 32; Kettani et al. 2001: 332; Kettani and Langton 2012: 423
Naya 1988, **MA**, Haut Sebou; Dakki et al. 2008, **MA**, Oued Sebou; Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Paratanytarsus grimmii* (Schneider, 1885)
Kettani et al. 2010, **Rif**, Oued Laou (Afertane, 55 m); Kettani and Langton 2012

Paratanytarsus inopertus (Walker, 1856)

Reiss 1977, **Rif**, Environ Tétouan; Fittkau and Reiss 1978; Reiss and Säwedal 1981; Azzouzi and Laville 1987; Ashe and Cranston 1990; Kettani et al. 2001; Kettani and Langton 2011, **Rif**, merja Mtalssi (Tamuda, 31 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Paratanytarsus mediterraneus Reiss & Säwedal, 1981

Reiss and Säwedal 1981, **Rif**, Estuaire Oued Mharka (Tanger), **AP**, Oued Loukous; Azzouzi and Laville 1987; Ashe and Cranston 1990; Kettani et al. 2001; Kettani and Langton 2011, **AP**, marais de Loukous; Kettani and Langton 2012

Paratanytarsus tenellulus (Goetghebuer, 1921)

= *Microspsectra tenellula* Reiss 1977: 91; Azzouzi and Laville 1987: 219

Reiss 1977, **MA**, Lac Kranichsee; Fittkau and Reiss 1978; Azzouzi and Laville 1987; Ashe and Cranston 1990; Kettani et al. 2001; Kettani and Langton 2012

Paratanytarsus tenuis (Meigen, 1830)

= *Tanytarsus tenuis* Meigen, in Naya 1988: 57

Naya 1988, **MA**, Moyen Sebou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Oued Khizana (Oued Laou); Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012

Rheotanytarsus* Thienemann & Bause, 1913Rheotanytarsus ceratophylli* Dejoux, 1973

Naya 1988, **MA**, Moyen et Bas Sebou; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012

Rheotanytarsus curtistylus (Goetghebuer, 1921)

Azzouzi et al. 1992, **HA**, Oasis Meski (1160 m); Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Rheotanytarsus langtoni Moubayed & Kettani, 2018

Moubayed-Breil and Kettani 2018, **Rif**, Oued Farda; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Rheotanytarsus muscicola Thienemann, 1929

Reiss 1977, **AP**, Environ de Larache, **AA**, Dra-Tal (Tissint Moyen Dra); Fittkau and Reiss 1978; Azzouzi and Laville 1987; Ashe and Cranston 1990; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Rheotanytarsus nigricauda Fittkau, 1960

Kettani and Moubayed-Breil 2018, **Rif**

Rheotanytarsus pellucidus (Walker, 1818)

= *Rheotanytarsus distinctissimus* (Brundin, 1947), in Kettani et al. 1995: 258; Kettani et al. 1996: 138, 1997: 185; Kettani and Langton 2012: 424

Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra; Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Rheotanytarsus pentapoda (Kieffer, 1909)

= *Rheotanytarsus* sp 1, in Kettani et al. 1994: 28

Kettani et al. 1994, **Rif**, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote; Kettani et al. 1995, **Rif**, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis; Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Source Maggou (Maggou, 1300 m), Oued Talembote (avant village Talembote, 320 m), Oued Talembote (aval Barrage Talembote, 245 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**; Moubayed-Breil and Kettani 2019, **Rif**, Chrafate, Challal Sghir (Akchour)

Rheotanytarsus photophilus (Goetghebuer, 1921)

Naya 1988, **MA**, Haut Sebou; Kettani et al. 2001; Kettani and Langton 2012

Rheotanytarsus procerus Reiss, 1991

Reiss 1991, **HA**; Azzouzi et al. 1992, **HA**, Gorges de Dadès (Imdiazen, 1900 m); Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Rheotanytarsus reissi Lehmann, 1970

Lehmann, 1970; Azzouzi and Laville 1987, **MA**, Oued Boufekrane, Oued Oum-er-Rbia; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Talembote (usine électrique), Oued Afertane, aval Oued Tassikeste, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Source Maggou (Maggou, 1300 m), Oued Kelaâ (Akoumi, 400 m), Oued Talembote (aval Barrage Talembote, 245 m), Oued Tassikeste (Afechtal, 240 m), Oued Talembote (aval affluent Talembote, 155 m), Oued Laou (Afertane, 55 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Rheotanytarsus rhenanus Klink, 1983

Kettani and Moubayed-Breil 2018, **Rif**

Rheotanytarsus ringei Lehmann, 1970

Lehmann, 1970; Reiss 1977, **Rif**, Environ Tétouan; Fittkau and Reiss 1978; Azzouzi and Laville 1987, **Rif**, Tétouan, **MA**, Oued Boufekrane, Oued Fès, Oued Sebou, Oued Oum-er-Rbia; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Rheotanytarsus Pe 3 Langton 1991

Kettani et al. 2010; Kettani and Langton 2011, **Rif**, Oued Sgara (Ketama, 1300 m); Kettani and Langton 2012

Stempellina* Thienemann & Bause, 1913Stempellina almi* Brundin, 1947

Fittkau and Reiss 1978; Azzouzi and Laville 1987, **MA**, Oued Boufekrane;
Kettani et al. 2001; Kettani and Langton 2012

Stempellina bausei (Kieffer, 1911)

Kettani and Langton 2012, **Rif**, Ketama; Kettani and Moubayed-Breil 2018, **Rif**

Stempellinella* Brundin, 1947Stempellinella brevis* (Edwards, 1929)

Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m); Kettani and Langton 2012

Tanytarsus* van der Wulp, 1874Tanytarsus brundini* Lindeberg, 1963

Kettani et al. 1994, **Rif**, Oued Moulay Bouchta, aval Oued Laou; Kettani et al. 1995, **Rif**, amont Oued Nakhla, aval Oued Khemis; Kettani et al. 1996; Kettani et al. 2001; Dakki 1997; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Tanytarsus chinyensis Goetghebuer, 1934

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2011, **Rif**, Dayat Fifi (Fifi, 1179 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Tanytarsus cretensis Reiss, 1987

= *Tanytarsus* sp. nov. (*creticus*), in Reiss 1977: 91; Azzouzi and Laville 1987: 219

= *Cladotanytarsus* sp 1, in Kettani et al. 1995: 258

Reiss and Fittkau 1971; Reiss 1977, **EM**, Environ de Berkane; Reiss 1987; Azzouzi and Laville 1987, **Rif**, Tétouan, **AP**, Larache, Kénitra; Kettani et al. 1996; Kettani et al. 2001; Kettani and Langton 2012

Tanytarsus dibranchius Kieffer, 1926

= *Tanytarsus separabilis* Brundin, 1947, in Kettani et al. 1994: 29; Kettani et al. 1995: 258, 1996: 138, 2001: 332; Dakki 1997: 63; Kettani and Langton 2012: 424

Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, aval Barrage Talembote, aval Oued Talembote (usine électrique); Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani and Langton 2012

Tanytarsus ejuncidus (Walker, 1856)

Kettani and Moubayed-Breil 2018, **Rif**

Tanytarsus eminulus (Walker, 1856)

Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Tanytarsus formosanus Kieffer, 1912

= *Tanytarsus horni* Goetghebuer, 1934, in Reiss and Fittkau 1971: 122; Reiss 1977: 91; Fittkau and Reiss 1978: 439; Ramdani and Tourenq 1982: 180;

El Mezdi and Giudicelli 1985: 292; Azzouzi and Laville 1987: 219; Ashe and Cranston 1990: 341; Kettani et al. 2001: 332; Kettani and Langton 2012: 424

Reiss and Fittkau 1971, **Rif**, M'Diq; Reiss 1977, **Rif**, Environ Tétouan, **AP**, Larache, Rabat, Kénitra; Fittkau and Reiss 1978; Ramdani and Tourenq 1982, **AP**, Merja Sidi Boughaba; El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Azzouzi and Laville 1987, **HA**, Oued Tensift; Ashe and Cranston 1990; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Tanytarsus gregarius Kieffer, 1909

Naya 1988, **MA**, Moyen Sebou; Kettani et al. 2001; Dakki et al. 2008, **MA**, Oued Sebou; Kettani and Langton 2012

Tanytarsus heusdensis Goetghebuer, 1923

Reiss 1977, **AA**, Dra-Tal; Fittkau and Reiss 1978; Azzouzi and Laville 1987; Ashe and Cranston 1990; Kettani et al. 1994, **Rif**, aval Oued Talembote (usine électrique); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani et al. 2010, **Rif**, Oued Kelaâ (Akoumi, 400 m), Oued Talembote (avant village Talembote, 320 m), Oued Talembote (aval affluent Talembote, 155 m), Oued Laou (Ifansa, 105 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Tanytarsus mendax Kieffer, 1925

Kettani and Moubayed-Breil 2018, **Rif**

Tanytarsus medius Reiss & Fittkau, 1971

Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, aval Oued Krikra, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m), Oued Talembote (aval affluent Talembote, 155 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Tanytarsus palettaris Verneaux, 1969

Kettani et al. 1994, **Rif**, aval Oued Laou; Kettani et al. 1996; Dakki 1997; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Tanytarsus pallidicornis (Walker, 1856)

Kettani and Langton 2011, **Rif**, Dayat Fifi (Fifi, 1179 m), Oued El Hatba (SIBE Jebel Moussa, 165 m); Kettani and Langton 2012

Tanytarsus recurvatus Brundin, 1947

Kettani and Langton 2011, **Rif**, Oued El Hamma (El Hamma, 240 m); Kettani and Langton 2012

Tanytarsus signatus (van der Wulp, 1859)

= *Tanytarsus* Pe 5 Langton 1991, in Azzouzi and Laville 1987: 219

Kügler and Reiss 1973; Reiss 1977, **AA**, Dra-Tal; Azzouzi and Laville 1987; Kettani et al. 2001; Kettani and Langton 2011, **Rif**, Dayat Aïn Rami (373 m), Dayat Amlay (258 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Tanytarsus verralli Goetghebuer, 1928

Kettani and Langton 2011, **Rif**, Oued Taida (650 m); Kettani and Langton 2012

Tanytarsus volgensis Miseiko, 1967

= *Tanytarsus fimbriatus* Reiss & Fittkau, 1971, in Fittkau and Reiss 1978: 439; Azzouzi and Laville 1987: 219; Kettani et al. 2001: 332; Kettani and Langton 2012: 424 Fittkau and Reiss 1978; Azzouzi and Laville 1987, **MA**, Oued Fès, Oued Sebou, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Tanytarsus Pe 14 Langton 1991

Kettani and Langton 2011, **Rif**, source Issaguen (Ketama, 1600 m); Kettani and Langton 2012

Tanytarsus Pe 23 Langton 1991

Kettani and Langton 2011, **Rif**, Oued El Hamma (El Hamma, 240 m); Kettani and Langton 2012

Virgatanytarsus* Pinder, 1982Virgatanytarsus albisutus* (Santos-Abreu, 1918)

= *Virgatanytarsus maroccanus* Kügler and Reiss, in Azzouzi and Laville 1987: 219 Fittkau and Reiss 1978; Reiss and Schurch 1984, **AA**, Dra-Tal; Reiss 1986; Azzouzi and Laville 1987, **MA**, Oued Oum-er-Rbia, **AA**, Dra-Tal; Ashe and Cranston 1990; Kettani et al. 1994, **Rif**, Haut Laou, Oued Siflaou, Oued Moulay Bouchta, aval Barrage Talembote, aval Oued Talembote (usine électrique), Oued Afertane, aval Oued Tassikeste, aval Oued Laou; Kettani et al. 1995, **Rif**, aval Oued El Kbir, Oued El Kbir, amont Oued Nakhla, Oued Mhajrat, aval Oued Khemis, Oued Martil (Tamuda); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou), Ras el Ma (Chefchaouen); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani et al. 2010, **Rif**, Oued Talembote (aval Barrage Talembote, 245 m), Oued Talembote (aval affluent Talembote, 155 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**

Virgatanytarsus ansatus Reiss & Schürch, 1984

Reiss and Schurch 1984, **HA**; Azzouzi and Laville 1987, **MA**, Lac Aguelmane Azigza; Ashe and Cranston 1990; Kettani et al. 2001; Kettani and Langton 2012

Virgatanytarsus arduennensis (Goetghebuer, 1922)

Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 1994, **Rif**, aval Oued Talembote (usine électrique); Kettani et al. 1996; Dakki 1997; Kettani et al. 1997, **Rif**, Maggou (Oued Laou); Kettani et al. 2001; Kettani et al. 2010,

- Rif**, Oued Talembote (aval affluent Talembote, 155 m); Kettani and Langton 2012; Kettani and Moubayed-Breil 2018, **Rif**
- Virgatanytarsus triangularis* (Goetghebuer, 1928)
Azzouzi et al. 1992, **HA**, Oued Tensift; Kettani et al. 2001; Kettani and Langton 2012
- Virgatanytarsus* Pe 1 Langton 1991
Kettani et al. 1996; Kettani et al. 1997, **Rif**, Maggou (Oued Laou), Oued Khizana (Oued Laou); Kettani et al. 2001; Kettani and El Ouazzani 2005, **Rif**, amont Oued Nakhla; Kettani and Langton 2012
- Zavrelia* Kieffer, Thienemann & Bause, 1913**
- Zavrelia pentatoma* Kieffer & Bause, 1913
Kettani and Langton 2012
- Zavrelia* Pe 1 Langton, 1991
Kettani and Langton 2011, **Rif**, Oued Berranda (Bouztate, 1259 m); Kettani and Langton 2012

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SIMULIIDAE

K. Kettani

Number of species: **43**.

Faunistic knowledge of the family in Morocco: good

Simulinae

Prosimuliini

***Helodon* Enderlein, 1921**

Helodon laamii (Beaucournu-Saguez and Bailly-Choumara, 1981)

Beaucournu-Saguez and Bailly-Choumara 1981, **Rif**; Clergue-Gazeau et al. 1991; Hervy et al. 1994; Belqat et al. 2001a; Belqat 2002; Belqat and Dakki 2004; Dakki et al. 2008, **MA**, Oued Sebou; Belqat et al. 2011, **Rif**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

***Prosimulium* Roubaud, 1906**

Prosimulium hirtipes species group

Bailly-Choumara and Beaucournu-Saguez 1981: 53–54: groupe *latimucro* (species nova ?); Beaucournu-Saguez and Bailly-Choumara 1981: 119: groupe *latimucro*, groupe *tomosvaryi* and groupe *rufipes-hirtipes*; Clergue-Gazeau et al. 1991: 54 as «sp. gr. *Hirtipes*»

Prosimulium latimucro (Enderlein, 1925)⁴

Bailly-Choumara and Beaucournu-Saguez 1981; Beaucournu-Saguez and Bailly-Choumara 1981; Giudicelli and Thiery 1985, **HA**; Giudicelli and Bouzidi 1989, **HA**; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'goun (1530 m), Oued M'Goum en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Adler and Belqat 2001, **Rif**, Oued Iouchirene, Oued Ketama (Al Hoceima); Belqat et al. 2001a, **Rif**, **HA**; Belqat and Adler 2001, **Rif**, Aïn Khandek En Nâsser,

4 *Prosimulium latimucro* (Enderlein, 1925) is a species complex, but only one cytoform has been found in Morocco. It is called *Prosimulium latimucro* cytoform C Kúdela, Kúdelová & Adler, 2017 (Arrondo and de Blas Giral 2017: 16).

Oued Iouchirene, Oued Ketama; Belqat 2002, **Rif**; Belqat and Dakki 2004, **Rif**; Belqat et al. 2005, **Rif**; Koçak and Kemal 2010; Belqat et al. 2011; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Prosimulium rachiliense Djafarov, 1954 (complex)⁵

Beaucournu-Saguez and Bailly-Choumara 1981; Adler and Belqat 2001; Belqat and Adler 2001; Belqat 2002; Belqat and Dakki 2004; Belqat et al. 2005; Belqat et al. 2008; Belqat et al. 2011; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Prosimulium tomosvaryi (Enderlein, 1921)

Beaucournu-Saguez and Bailly-Choumara 1981; Giudicelli and Thiery 1985, **HA**; Giudicelli and Bouzidi 1989, Giudicelli et al. 2000; Adler and Belqat 2001, **Rif**, Oued Iouchirene (Al Hoceima); Belqat and Adler 2001, **Rif**, Oued Ouringa Tamdâ, oued Iouchirene, Oued Mrinet, Oued Ketama, Aîn Ksour, Oued Tisgris, Aîn Sidi Brahim Ben Arrif, Oued Hannacha; Belqat et al. 2001a, **Rif**; Belqat et al. 2001b; Belqat and Dakki 2004, **Rif**; Belqat et al. 2005, **Rif**; Koçak and Kemal 2010; Belqat et al. 2011; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

***Urosimulium* Contini, 1963**

Urosimulium faurei (Bernard, Grenier & Bailly-Choumara, 1972)

Grenier et al. 1957, **MA**; Bernard et al. 1972: 63–68 (original description), **MA**, Plateau de Talerhza (environ de Meknès); Clergue-Gazeau et al. 1991, **MA**; Hervy et al. 1994; Belqat and Adler 2001, **Rif**, Oued Iouchirene, Oued Mrinet, Oued Biyada, Oued Hannacha, Oued Ankouda; Belqat et al. 2001a, **Rif**, **MA**; Belqat 2002, **Rif**, **MA**; Belqat and Dakki 2004, **Rif**; Belqat et al. 2005, **Rif**; Dakki et al. 2008, **MA**, Oued Sebou; Belqat et al. 2011, **Rif**, **MA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simuliini

***Greniera* Doby & David, 1959**

Greniera fabri Doby & David, 1959

Clergue-Gazeau et al. 1991, **MA**; Dakki 1997; Belqat et al. 2001a, **Rif**; Belqat 2002, **Rif**; Belqat and Dakki 2004, **Rif**; Belqat et al. 2005, **Rif**; Dakki et al. 2008, **MA**, Oued Sebou; Belqat et al. 2011, **Rif**, **MA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

***Metacnephia* Crosskey, 1969**

Metacnephia blanci (Grenier & Théodoridès, 1953)

= *Cnephia* sp. in Grenier 1953: 157

⁵ The original reports of *Prosimulium rachiliense* in Morocco appeared under the name *P. rufipes*. The chromosomes described by Adler and Belqat (2001), however, indicate that populations in Morocco's Rif Mountains are not *P. rufipes*, but are a species closer to *P. rachiliense* (Belqat et al. 2018; Adler and Şirin 2014).

- = *Cnephia blanci* Grenier and Théodoridès, in Grenier and Théodoridès 1953: 430–435
 - = *Eusimulium latinum* Rubzov, in Benhoussa et al. 1988: 160–164
- Grenier 1953, **HA**; Grenier and Théodoridès 1953, **HA**; Grenier et al. 1957, **MA**; Bailly-Choumara and Beaucournu-Saguez 1978, **Rif**; Bailly-Choumara and Beaucournu-Saguez 1981, **HA**; Benhoussa et al. 1988, **AP**, Oued Bou-Regreg; Clergue-Gazeau et al. 1991, **AA**; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane: 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'goun (1530 m), Oued M'goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif**, **MA**, **HA**, **AA**; Belqat 2002, **Rif**, **MA**, **HA**, **AA**; Belqat and Dakki 2004, **Rif**; Belqat et al. 2005, **Rif**; Belqat et al. 2008; Dakki et al. 2008, **MA**, Oued Sebou; Belqat et al. 2011, **Rif**, **AP**, **MA**, **HA**, **AA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Metacnephia nuragica Rivosecchi, Raastad & Contini, 1975⁶

= *Cnephia tredecimatum* (Edwards), in Grenier et al. 1957: 226

Grenier et al. 1957, **AP**, Coastal meseta (region of Rabat); Belqat et al. 2001a, **AP**, Rabat; Belqat 2002, **AP**, Rabat; Belqat and Dakki 2004, **AP**, Rabat; Belqat et al. 2011, **AP**; Belqat et al. 2018

***Simulium* Latreille, 1802**

Simulium (*Crosskeyellum*) *gracilipes* Edwards, 1921

Edwards 1921: 143 (original description), **MA**; Séguy 1925: 233, **MA**; Séguy 1930a, **MA**; Grenier 1953, **MA**; Crosskey 1964, **MA**, Fès; Grenier and Bailly-Choumara 1970: 96–102 (original description of subgenus *Crosskeyellum*, description of *gracilipes*), **MA**; Clergue-Gazeau et al. 1991, **MA**; Hervy et al. 1994; Dakki 1997; Belqat et al. 2001a, **MA**; Belqat 2002, **MA**; Belqat and Dakki 2004, **MA**; Belqat et al. 2011, **MA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (*Eusimulium*) *angustipes* Edwards, 1915

Clergue-Gazeau et al. 1991, **MA**, **HA**; Dakki 1997; Belqat et al. 2001a, **MA**, **HA**; Belqat 2002, **MA**, **HA**; Belqat and Dakki 2004, **MA**, **HA**; Dakki et al. 2008, **MA**, O. Sebou; Koçak and Kemal 2010; Belqat et al. 2011, **MA**, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (*Eusimulium*) *mellah* Giudicelli & Bouzidi, 2000 [in Giudicelli, Bouzidi and Abdelaali 2000]

Giudicelli et al. 2000: 63 (original description), **HA**, Oued Mellah (Bassin Draa); Belqat et al. 2001a, **HA**; Belqat 2002, **MA**, **HA**; Belqat and Dakki 2004, **MA**, **HA**; Dakki et al. 2008, **MA**, Oued Sebou; Koçak and Kemal 2010; Belqat et al. 2011, **MA**, **HA**; Adler et al. 2015, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (*Eusimulium*) *petricolum* (Rivosecchi, 1963)

= *Simulium latizonum* Bailly-Choumara and Beaucournu-Saguez, in Bailly-Choumara and Beaucournu-Saguez 1978: 143–144 (misidentified); Bailly-Choumara and Beaucournu-Saguez 1981: 53–54

Bailly-Choumara and Beaucournu-Saguez 1978, **Rif**, **HA**; Bailly-Choumara and Beaucournu-Saguez 1981, **HA**; Clergue-Gazeau et al. 1991, **HA**; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau

⁶ *Metacnephia nuragica* was listed with faunistic and bibliographical details in Belqat et al. (2011: 48) but its identity is uncertain.

affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'goun (1530 m), Oued M'goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif, HA**; Belqat 2002, **Rif, HA**; Belqat and Dakki 2004, **Rif, HA**; Belqat et al. 2005, **Rif**; Dakki et al. 2008, **Rif, MA**, Oued Sebou; Koçak and Kemal 2010; Belqat et al. 2011, **HA**; Adler et al. 2015, **Rif, HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Eusimulium) rubzovianum (Sherban, 1961)

Adler et al. 2015, **Rif, HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Eusimulium) velutinum sensu stricto (Santos Abreu, 1922)

= *Eusimulium latinum* Rubzov, in El Mezdi and Giudicelli 1985: 292–295; Benhoussa et al. 1988: 160–164

Bailly-Choumara and Beaucournu-Saguez 1978, **Rif**; Bailly-Choumara and Beaucournu-Saguez 1981, **HA**; El Mezdi and Giudicelli 1985, **HA**, Khettaras of Marrakech; Benhoussa et al. 1988, **AP**, Oued Bou-Regreg; Clergue-Gazeau et al. 1991, **AA**; Benhoussa et al. 1993, **AP**, Oued Bou-Regreg; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisselet émissaire de source débouchant dans Oued

Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'goun (1530 m), Oued M'goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif**, **MA**, **HA**, **AA**; Belqat 2002, **Rif**, **MA**, **HA**, **AA**; Belqat and Dakki 2004, **Rif**, **MA**, **HA**, **AA**; Belqat et al. 2005, **Rif**; Dakki et al. 2008, **MA**, Oued Sebou; Koçak and Kemal 2010; Belqat et al. 2011, **Rif**, **AP**, **MA**, **HA**, **AA**; Adler et al. 2015, **Rif**, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Eusimulium) velutinum cytospecies '5'

Adler et al. 2015, **Rif**, Tanger-Anjra, **HA**, Marrakech; Belqat et al. 2018

Simulium (Nevermannia) ruficorne species group

Simulium (Nevermannia) angustitarse (Lundström, 1911)

Belqat et al. 2001a, **Rif**; Belqat et al. 2001b, **Rif**; Belqat 2002, **Rif**; Belqat and Dakki 2004, **Rif**; Belqat et al. 2005, **Rif**; Belqat et al. 2011, **Rif**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Nevermannia) ibleum (Rivosecchi, 1966)

Clergue-Gazeau et al. 1991, **HA**; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual,

1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'goun (1530 m), Oued M'goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif**, **HA**; Belqat 2002, **Rif**, **HA**; Belqat and Dakki 2004, **Rif**, **HA**; Belqat et al. 2005, **Rif**; Belqat et al. 2011, **Rif**, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Nevermannia) lundstromi (Enderlein, 1921)

Clergue-Gazeau et al. 1991, **HA**; Dakki 1997; Giudicelli et al. 2000, **HA**; Belqat et al. 2001a, **HA**; Belqat 2002, **HA**; Belqat and Dakki 2004, **HA**; Belqat et al. 2011, **Rif**, Kanar (280 m), Majjo (905 m), 10 km before the Issaguen source (1200 m), **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Nevermannia) ruficorne Macquart, 1838

= *Eusimulium ruficorne* Macquart, in El Mezdi and Giudicelli 1985: 292, 294–295 Grenier et al. 1957, **AA**; Bailly-Choumara and Beaucournu-Saguez 1978, **Rif**; Bailly-Choumara and Beaucournu-Saguez 1981, **HA**; El Mezdi and Giudicelli 1985, **HA**, Khetarras of Marrakech; Clergue-Gazeau et al. 1991, **HA**;

Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d’Imlil (1750 m), ruisseau émissaire de source débouchant dans l’assif M’zik (1850 m), ruisseau émissaire de source débouchant dans l’assif N’Ouarzane (3000 m), ruisseau émissaire de source (assif N’Ouarzane, 3000 m), assif N’Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l’assif N’Ouarzane (2400 m), Oued N’fis (amont Ijoukak, 1600 m), Oued N’fis (amont Wirgan, 1200 m), Oued N’fis (980 m), Oued N’fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d’Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l’assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l’assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l’assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l’assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l’assif Oukaïmeden (1260 m), affluent en rive droite de l’assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l’oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d’Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l’assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l’oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M’goun (1530 m), Oued M’goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l’Oued Souss (2350 m); Belqat et al. 2001a, **Rif, HA, AA**; Belqat 2002, **Rif, HA, AA**; Crosskey et al. 2002; Belqat and Dakki 2004, **Rif, HA, AA**; Belqat et al. 2005, **Rif**; Belqat et al. 2011, **Rif, AP, HA, AA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (*Nevermannia*) *vernum* species group

Simulium (*Nevermannia*) *brevicens* (Rubtsov, 1956)

Clergue-Gazeau et al. 1991, **HA**; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émis-

saire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'goun (1530 m), Oued M'goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **HA**; Belqat 2002, **HA**; Belqat and Dakki 2004, **HA**; Belqat et al. 2011, **HA**; Belqat et al. 2018; Adler 2019

Simulium (Nevermannia) carthusiense (Grenier & Dorier, 1959)

Giudicelli and Dakki 1984, **Rif**; Dakki 1997; Belqat et al. 2001a, **Rif**; Belqat 2002, **Rif**; Belqat and Dakki 2004, **Rif**; Belqat et al. 2005, **Rif**; Belqat et al. 2008, **Rif**; Belqat et al. 2011, **Rif**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Nevermannia) costatum Friederichs, 1920

Grenier et al. 1957, **Rif**, Pré-Rif, **MA**; Bailly-Choumara and Beaucournu-Saguez 1981, **HA**; Giudicelli and Bouzidi 1989, **HA**; Clergue-Gazeau et al. 1991, **HA**; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de

source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source héliocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'goun (1530 m), Oued M'goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif, MA, HA**; Belqat 2002, **Rif, MA, HA**; Belqat and Dakki 2004, **Rif, MA, HA**; Belqat et al. 2005, **Rif**; Belqat et al. 2008, **Rif**; Belqat et al. 2011, **Rif, MA, HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (*Nevermannia*) *cryophilum* (Rubtsov, 1959) (complex)

= *Simulium pusillum* Fries, in Séguy 1930a: 52 (misidentification); Grenier 1953: 159 (after Séguy)

Séguy 1930a, **HA**; Grenier 1953, **Rif, HA**, Lac Ifni; Bouzidi and Giudicelli 1986, **HA**; Bouzidi and Giudicelli 1989, **HA**; Clergue-Gazeau et al. 1991, **HA**; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source

débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'goun (1530 m), Oued M'goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Giudicelli Belqat et al. 2001a, **Rif, HA**; Belqat 2002, **Rif, HA**; Belqat and Dakki 2004, **Rif, HA**; Belqat et al. 2005, **Rif**; Belqat et al. 2008, **Rif**; Belqat et al. 2011; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Nevermannia) toubkal (Bouzidi & Giudicelli, 1986)

Bouzidi and Giudicelli 1986: 41–52 (original description), **HA**, assif n'Ouarzane (Oued Nfis); Giudicelli and Bouzidi 1989, **HA**; Clergue-Gazeau et al. 1991, **HA**; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (lmlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'lmlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis

(amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'goun (1530 m), Oued M'goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **HA**; Belqat 2002, **HA**; Belqat and Dakki 2004, **HA**; Belqat et al. 2011, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Nevermannia) vernum Macquart, 1826 (complex) [*latipes* authors pre-1972, not Meigen]

Clergue-Gazeau et al. 1991, **HA**; Dakki 1997; Belqat et al. 2001a, **Rif**, **HA**; Belqat 2002, **Rif**; Belqat and Dakki 2004, **Rif**, **HA**; Belqat et al. 2005, **Rif**; Belqat et al. 2011, **Rif**, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Rubzovia) knidirii (Giudicelli & Thiery, 1985)

Giudicelli and Thiery 1985: 109–123 (original description in new subgenus *Simulium (Crenosimulium)*, **HA**; Clergue-Gazeau et al. 1991, **HA**; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisselet émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisselet émissaire de source débouchant dans l'assif M'zik (1850 m), ruisselet émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif

N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'goun (1530 m), Oued M'goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **HA**; Belqat 2002, **HA**; Belqat and Dakki 2004, **HA**; Belqat et al. 2011, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Rubzovia) lamachi (Doby & David, 1960)

Giudicelli and Dakki 1984, **Rif**; Giudicelli and Thiery 1985, **Rif**; Clergue-Gazeau et al. 1991, **HA**; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (lmlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'lmlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane: 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source:

2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaimeden (2600 m), source hélocrène au niveau du cirque d'Oukaimeden (2660 m), assif Tiferguine (2500 m), assif Oukaimeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaimeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaimeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaimeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaimeden (1360 m), affluent temporaire en rive droite de l'assif Oukaimeden (1260 m), affluent en rive droite de l'assif Oukaimeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'goun (1530 m), Oued M'Goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif**, **HA**; Belqat 2002, **Rif**, **HA**; Belqat and Dakki 2004, **Rif**; Belqat et al. 2005, **Rif**; Belqat et al. 2011, **Rif**, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (*Simulium*) *bezzii* species group

Simulium (*Simulium*) *bezzii* (Corti, 1914) (complex)

= *Simulium atlas* Séguy, 1930, in Séguy 1930a: 50 (original description); Grenier 1953: 158 (synonymy of *atlas* Séguy with *bezzii* suggested)

Séguy 1930a, **MA**; Grenier 1953; Grenier 1953, **MA**, **HA**; Grenier and Théodoridès 1953; Grenier et al. 1957, **AA**; Bailly-Choumara and Beaucournu-Saguez 1978, **Rif**; Bailly-Choumara and Beaucournu-Saguez 1981, **HA**; Bouzidi and Giudicelli 1986, **HA**; Clergue-Gazeau et al. 1991, **HA**; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (lmlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisselet émissaire de source débouchant dans Oued Réghaya en amont d'lmlil (1750 m), ruisselet émissaire de source débouchant dans l'assif M'zik (1850 m), ruisselet émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m),

ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source héliocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'Goun (1530 m), Oued M'Goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif, MA, HA, AA**; Belqat 2002, **Rif, MA, HA, AA**; Belqat and Dakki 2004, **Rif, MA, HA, AA**; Belqat et al. 2005, **Rif**; Dakki et al. 2008, **MA**, Oued Sebou; Belqat et al. 2011, **Rif, MA, HA, AA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Simulium) ornatum species group

Simulium (Simulium) egregium Séguy, 1930

Grenier 1930, **HA**; Séguy 1930a: 51 (original description), **HA**; Belqat et al. 2001a, **HA**; Belqat 2002, **HA**; Belqat and Dakki 2004, **HA**; Belqat et al. 2011, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Simulium) intermedium Roubaud, 1906

= *Simulium reptans* var. *fasciatum* Séguy, in Séguy 1930a: 52 (misidentification)

= *Simulium ornatum* var. *nitidifrons* Edwards, in Grenier 1953: 159, Grenier and Théodoridès 1953: 441, Grenier and Faure 1957 [1956]: 840, Grenier and Bailly-Choumara 1970: 102, Bailly-Choumara and Beaucournu-Saguez 1978: 143–144

= *Odagmia nitidifrons* Edwards, in Giudicelli and Dakki 1984: 95, Benhoussa et al. 1988: 160–164

= *Simulium nitidifrons* Edwards, in El Mezdi and Giudicelli 1985: 292, 294–295 Séguy 1930a, **HA**; Grenier 1953, **MA, HA**; Grenier and Théodoridès 1953, **MA**; Grenier and Faure 1957 [1956], **Rif, Pré-Rif, AP**, S Rabat; **MA**, Plain of Meknès; Grenier et al. 1957, **Rif, Pré-Rif, HA**; Grenier and Bailly-Choumara 1970, **MA**; Bernard et al. 1972, **MA**; Bailly-Choumara and Beaucournu-Sa-

guez 1978, **Rif**; Giudicelli and Dakki 1984, **Rif**, **MA**; El Mezdi and Giudicelli 1985, **HA**, Khettaras de Marrakech; Benhoussa et al. 1988, **AP**, Oued Bou-Regreg; Giudicelli and Bouzidi 1989, **HA**; Clergue-Gazeau et al. 1991, **MA**, **HA**; Benhoussa et al. 1993, **AP**, Oued Bou-Regreg; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'Goun (1530 m), Oued M'oun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif**, **MA**, **HA**; Belqat 2002, **Rif**, **MA**, **HA**; Belqat and Dakki 2004, **Rif**, **MA**, **HA**; Belqat et al. 2005, **Rif**; Belqat et al. 2008, **Rif**; Belqat et al. 2011, **Rif**, **AP**, **MA**, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (*Simulium*) *ornatum* Meigen, 1818 (complex)

= *reptans* var *fasciatum*, in Séguy 1930: 52

[*subornatum*: Séguy 1925/1930, not Edwards]

Séguy 1930a: 52 (*ornatum* and *subornatum* records), **HA**; Grenier 1953, **HA**; Bailly-Choumara and Beaucournu-Saguez 1978, **Rif**; Clergue-Gazeau et al. 1991, **MA**, **HA**; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'Goun (1530 m), Oued M'Goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif**, **MA**, **HA**, **AA**; Belqat 2002, **Rif**, **MA**, **HA**, **AA**; Belqat and Dakki 2004, **Rif**, **MA**, **HA**, **AA**; Belqat et al. 2005, **Rif**; Belqat et al. 2008, **Rif**; Dakki et al. 2008, **MA**, Oued Sebou; Belqat et al. 2011, **Rif**, **MA**, **HA**, **AA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Simulium) trifasciatum Curtis, 1839

Belqat et al. 2001a, **Rif**; 2001b, **Rif**; Belqat 2002, **Rif**; Belqat and Dakki 2004, **Rif**; Belqat et al. 2005, **Rif**; Belqat et al. 2008, **Rif**; Dakki et al. 2008, **MA**,

Oued Sebou; Belqat et al. 2011, **Rif**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Simulium) variegatum species group

Bailly-Choumara and Beaucournu-Saguez (1981: 52–54): groupe *monticola* (“sp. nova A” and “sp. nova B”)

Simulium (Simulium) atlasicum Giudicelli & Bouzidi, 1989

Giudicelli and Bouzid 1989: 146–151 (original description), **HA**, near village Aguelmous; Clergue-Gazeau et al. 1991, **HA**; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (lmlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d’lmlil (1750 m), ruisseau émissaire de source débouchant dans l’assif M’zik (1850 m), ruisseau émissaire de source débouchant dans l’assif N’Ouarzane (3000 m), ruisseau émissaire de source (assif N’Ouarzane, 3000 m), assif N’Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l’assif N’Ouarzane (2400 m), Oued N’fis (amont Ijoukak, 1600 m), Oued N’fis (amont Wirgan, 1200 m), Oued N’fis (980 m), Oued N’fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source héliocrène au niveau du cirque d’Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l’assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l’assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l’assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l’assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l’assif Oukaïmeden (1260 m), affluent en rive droite de l’assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l’oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d’Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l’assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l’oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M’Goun (1530 m), Oued M’Goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l’Oued Souss (2350 m); Belqat et al. 2001a, **HA**; Belqat 2002, **HA**; Belqat and Dakki 2004, **HA**; Belqat et al. 2011, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Simulium) berberum Giudicelli & Bouzidi, 1989

Giudicelli and Bouzidi 1989: 151–156 (original description), **HA**, assif n'Ouarzane; Clergue-Gazeau et al. 1991, **HA**; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'Goun (1530 m), Oued M'Goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **HA**; Belqat 2002, **HA**; Belqat and Dakki 2004, **HA**; Belqat et al. 2011, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Simulium) variegatum Meigen, 1818

Bailly-Choumara and Beaucournu-Saguez 1978, **Rif**, **HA**; Bailly-Choumara and Beaucournu-Saguez 1981, **HA**; Giudicelli and Bouzidi 1989; Clergue-Gazeau et al. 1991; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Ré-

ghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'Goun (1530 m), Oued M'Goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif, HA**; Belqat 2002, **Rif, HA**; Belqat and Dakki 2004, **Rif, HA**; Belqat et al. 2005, **Rif, HA**; Belqat et al. 2011, **Rif, HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Simulium) xanthinum Edwards, 1933

= *Simulium gaudi* Grenier and Faure, in Grenier and Faure 1957 [1956]: 838–840 Grenier and Faure 1957 [1956], **Rif, Pré-Rif, HA**; Grenier et al. 1957; Bailly-Choumara and Beaucournu-Saguez 1978, **Rif**; Clergue-Gazeau et al. 1991, **MA**; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source

débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'Goun (1530 m), Oued M'Goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif, MA, HA**; Belqat 2002, **Rif, MA, HA**; Carles-Tolrà 2002; Belqat and Dakki 2004, **Rif, MA, HA**; Belqat et al. 2005, **Rif**; Belqat et al. 2008, **Rif**; Belqat et al. 2011, **Rif, MA, HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Trichodagmia) albellum species group

Simulium (Trichodagmia) auricoma Meigen, 1818

= *Simulium (Obuchovia) auricoma* Meigen, 1818, in Belqat et al. 2011: 52

Belqat 2000, **Rif**; Belqat et al. 2001a, **Rif**; Belqat 2002, **Rif**; Belqat and Dakki 2004, **Rif**; Belqat et al. 2005, **Rif**; Belqat et al. 2011, **Rif**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Trichodagmia) galloprovinciale Giudicelli, 1963 [1962]

= *Simulium (Obuchovia) galloprovinciale* Giudicelli, 1963, in Belqat et al. 2011: 52

Belqat 2000, **Rif**; Belqat et al. 2001a, **Rif**; Belqat 2002, **Rif**; Belqat and Dakki 2004, **Rif**; Belqat et al. 2005, **Rif**; Belqat et al. 2011, **Rif**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Trichodagmia) marocanum Bouzidi & Giudicelli, 1988 [1987]

= *Simulium (Obuchovia) marocanum* Bouzidi & Giudicelli, 1987, in Belqat et al. 2011: 52

Bouzidi and Giudicelli 1987: 185–195 (original description), **Rif**, near village Bou Adel, **HA**, Oued Rdat (affluent de l'Oued Tensift); Clergue-Gazeau et al. 1991, **HA**; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'Goun (1530 m), Oued M'Goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **HA**; Belqat 2002, **HA**; Belqat and Dakki 2004, **HA**; Belqat et al. 2011, **Rif**, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (*Wilhelmia*) *equinum* species group*Simulium* (*Wilhelmia*) *equinum* (Linnaeus, 1758)

= *Simulium equinum* Linnaeus, in Grenier et al. 1957: 231–232

Grenier et al. 1957, **MA**; Bailly-Choumara and Beaucournu-Saguez 1981, **HA**; Dakki 1997; Belqat et al. 2001a, **HA**; Belqat 2002, **HA**; Belqat and Dakki 2004, **HA**; Dakki et al. 2008, **MA**, Oued Sebou; Belqat et al. 2011, **MA**, **HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (*Wilhelmia*) *pseudequinum* Séguy, 1921

= *Simulium barbaricum* Séguy, in Séguy 1930a: 51

= *Simulium equinum* var. *mediterraneum* Puri, in Grenier 1953: 145–148; Grenier and Théodoridès 1953: 436

= *Simulium equinum mediterraneum* Puri, in Grenier and Faure 1957 [1956]: 840; Grenier et al. 1957: 232–234

= *Wilhelmia pseudequinum* Séguy, in Benhoussa et al. 1988: 160–164

Séguy 1930a, **HA**; Grenier 1953, **HA**; Grenier and Théodoridès 1953, **HA**; Grenier and Faure 1957 [1956], **Rif**, Pré-Rif, **AP**, **HA**, **AA**; Meknès; Grenier et al. 1957, **HA**; Bailly-Choumara and Beaucournu-Saguez 1978, **Rif**; Bailly-Choumara and Beaucournu-Saguez 1981, **HA**; Benhoussa et al. 1988, **AP**, Oued Bou-Regreg; Benhoussa et al. 1993, **AP**, Oued Bou-Regreg; Dakki 1997; Clergue-Gazeau et al. 1991, **HA**; Benhoussa et al. 1993, **AP**, Oued Bou-Regreg; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m),

affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'Goun (1530 m), Oued M'Goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif, MA, HA, AA**; Belqat 2002, **Rif, MA, HA, AA**; Belqat and Dakki 2004, **Rif, MA, HA, AA**; Belqat et al. 2005, **Rif**; Belqat et al. 2008, **Rif**; Dakki et al. 2008, **MA**, Oued Sebou; Belqat et al. 2011, **Rif, AP, MA, HA, AA**; Adler and Crosskey 2017; Belqat et al. 2018

Simulium (Wilhelmia) quadrifila Grenier, Faure & Laurent, 1957 [1956]

Grenier et al. 1957: 238–239 (original description as form of *sergenti*), **Rif**, Pré-Rif, **AP**, S Casablanca, **MA**, Meknès, **HA**; Bailly-Choumara and Beaucournu-Saguez 1978, **Rif, MA, HA**; Clergue-Gazeau et al. 1991, **Rif**, Pré-Rif; Dakki 1997; Belqat et al. 2001a, **Rif**; Belqat 2002, **Rif, AP**, S Casablanca, **MA, HA**; Belqat and Dakki 2004, **Rif**; Belqat et al. 2005, **Rif**; Dakki et al. 2008, **MA**, Oued Sebou; Belqat et al. 2011, **Rif, AP, MA, HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

Simulium (Wilhelmia) sergenti (Edwards, 1923)

= *Simulium ariasi* Séguy, in Séguy 1925: 231–238; Séguy 1930a: 50; Grenier 1953: 144

= *Simulium equinum mediterraneum* Puri, in Grenier and Faure 1957 [1956]: 840; Grenier et al. 1957: 238–240

= *Wilhelmia sergenti* Edwards, in Benhoussa et al. 1993: 249

Séguy 1930a, **MA**; Grenier 1953, **MA**; Grenier and Théodoridès 1953, **HA**; Grenier and Faure 1957 [1956], **Rif**, Pré-Rif; Grenier et al. 1957, **Rif**, Pré-Rif, **AP**, S Casablanca, **MA, HA**; Bailly-Choumara and Beaucournu-Saguez 1978, **Rif, AP, MA, HA**; Bailly-Choumara and Beaucournu-Saguez 1981, **HA**; Clergue-Gazeau et al. 1991, **Rif**, Pré-Rif, **HA**; Benhoussa et al. 1993, **AP**, Oued Bou-Regreg; Dakki 1997; Giudicelli et al. 2000, **HA**, Oued Réghaya (Neltner, 3800 m), Oued Réghaya (Sidi Chamharouch, 2300 m), Oued Réghaya (Imlil, 1740 m), Oued Réghaya (Aguersioual, 1550 m), Oued Réghaya (Moulay Brahim, 1200 m), Oued Réghaya (Tahanaout, 890 m), ruisseau émissaire de source débouchant dans Oued Réghaya en amont d'Imlil (1750 m), ruisseau émissaire de source débouchant dans l'assif M'zik (1850 m), ruisseau émissaire de source débouchant dans l'assif N'Ouarzane (3000 m), ruisseau émissaire de source (assif N'Ouarzane, 3000 m), assif N'Ouarzane (Irhoulidene, 2800 m), ruisseau affluent en rive droite de l'assif N'Ouarzane (2400 m), Oued N'fis (amont Ijoukak, 1600 m), Oued N'fis (amont Wirgan, 1200 m), Oued N'fis (980 m), Oued N'fis (amont retenue Lalla Takerkoust, 660 m), ruisseau de Tinzart (émissaire

de source: 2850 m), ruisseau de Tifni (émissaire de source: 2780 m), ruisseau de Likemt (émissaire de source: 2670 m), ruisseau de Tougroudadene (émissaire de source: 2660 m), assif Oukaïmeden (2600 m), source hélocrène au niveau du cirque d'Oukaïmeden (2660 m), assif Tiferguine (2500 m), assif Oukaïmeden (2450 m), ruisseau émissaire de source débouchant dans l'assif Oukaïmeden (1740 m), complexe rhéocrène formé par des émissaires de source débouchant dans l'assif Oukaïmeden (1730 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1630 m), affluent temporaire en rive gauche de l'assif Oukaïmeden (1360 m), affluent temporaire en rive droite de l'assif Oukaïmeden (1260 m), affluent en rive droite de l'assif Oukaïmeden (1300 m), assif Tarzaza (1200 m), assif Tarzaza (1000 m), cours inférieur de l'oued Ourika (850 m), Oued Rdat en amont de Taddert (1850 m), affluent temporaire en rive gauche de Oued Rdat (1400 m), Oued Rdat (1600 m), Oued Rdat (1230 m), Oued Tensift (600–700 m), khetarras (450–600 m), Oued Tessaout au niveau d'Aït Tamli (1620 m), Oued Lakdar en aval de la retenue de Sidi Driss (1030 m), ruisseau émissaire de source formant le début de l'assif Imini (2090 m), assif Imini (1560 m), Oued Ounila (1820 m), ruisseau affluent en rive gauche de l'oued Ounila (1820 m), Oued Ounila (Timhlt, 1600 m), Oued Mellah (Anghessa, 1400 m), Oued Dadès en amont des gorges (1630 m), Oued Dadès (Boumalne, 1530 m), Oued Dadès (Sidi Flah, 1100 m), Oued M'Goun (1530 m), Oued M'Goun en aval de Kelaâ (1370 m), ruisseau émissaire de source débouchant dans un affluent de l'Oued Souss (2350 m); Belqat et al. 2001a, **Rif, MA, HA**; Belqat 2002, **Rif, MA, HA**; Belqat and Dakki 2004, **Rif, MA, HA**; Belqat et al. 2005, **Rif**; Belqat et al. 2008, **Rif**; Dakki et al. 2008, **MA**, Oued Sebou; Belqat et al. 2011, **Rif, AP, MA, HA**; Adler and Crosskey 2017; Belqat et al. 2018; Adler 2019

THAUMALEIDAE

K. Kettani, R. Wagner

Number of species: **2**. Expected: 10

Faunistic knowledge of the family in Morocco: poor

Thaumalea Ruthe, 1831

Thaumalea bernardi Vaillant, 1956

Vaillant 1956b, **HA**, Toubkal, Siroua, Lac Tamhda (Anremmer), Sidi Chamarouch, Izourar, M'Goum, Oukaïmeden; Dakki 1997

Thaumalea spinata Vaillant, 1954⁷

Vaillant 1954a, **HA**, M'Goum, springs powering d'Ameskeur el Fougani, springs powering Izourar lagoon (Azourki), springs powering the lake Tamhda (Anremmer), torrent at the bottom of Jebel Siroua, Oukaïmeden (Toubkal), Jebel Toubkal, Atend (Sidi Chamarouch)

⁷ The identity of *Thaumalea spinata* is not finally clarified. No specimen outside the French Alps was found in Vaillant's collection.

BLEPHARICERIDAE

K. Kettani, P. Zwick
 Number of species: 4
 Blepharicerinae

***Liponeura* Loew, 1844**

Liponeura alticola Giudicelli & Bouzidi, 1987

Giudicelli and Bouzidi 1987, **HA**, Oued Réghaya; Dakki 1997

Liponeura megalatlantica (Vaillant, 1956)

Vaillant 1956c, **HA**, Izourar, Imi-N'Ifri; Giudicelli and Lavandier 1974; Dakki 1997

Liponeura rifincola Zwick, 2013

Zwick 2013, **Rif**, Issaguen (Ketama, 1800 m)

Liponeura sirouana (Vaillant, 1956)

= *Cardiocrepsis sirouana* Vaillant, in Vaillant 1956b: 234

Vaillant 1956b, **HA**, Siroua (3000 m); Giudicelli and Lavandier 1974; Dakki 1997

Bibionoidea**ANISOPODIDAE⁸**

K. Kettani, J.-P. Haenni
 Number of species: 3. Expected: 7–8
 Faunistic knowledge of the family in Morocco: poor

Anisopodinae***Sylvicola* Harris, 1780**

Sylvicola fenestralis (Scopoli, 1763)⁹

= *Rhyphus fenestralis* (Scopoli, 1763), in Mouna 1998: 86

Mouna 1998 (no locality given) – MISR

Sylvicola fuscatus (Fabricius, 1775)¹

= *Rhyphus fuscatus* (Fabricius, 1775), in Mouna 1998: 86

Mouna 1998 (no locality given) – MISR

Sylvicola punctatus (Fabricius, 1787)¹

8 The species of this family are considered as Moroccan on the basis that they are represented by specimens in the collections of the MISR (Mouna 1998). However, it has not been possible to confirm if the specimens present in this collection actually originated from Morocco.

9 Three specimens identified as *Rhyphus fenestralis* are present in the collection of MISR (Rabat, Morocco). However, genital examination is required for identification of *S. fenestralis* and the closely related widespread *S. cinctus* (Fabricius, 1787). Both species could probably occur in Morocco.

= *Rhyphus punctatus* (Fabricius, 1787), in Mouna 1998: 86
Mouna 1998 (no locality given) – MISR

BIBIONIDAE¹⁰

K. Kettani, J.-P. Haenni

Number of species: **10**. Expected: 20

Faunistic knowledge of the family in Morocco: poor

Bibioninae

***Bibio* Geoffroy, 1762**

Bibio hortulanus (Linnaeus, 1758)

= *Bibio hortularum* Linnaeus, 1758, in Becker and Stein 1913: 85

Becker and Stein 1913, **Rif**, Tanger; Séguy 1949a, **SA**, Foum Zguid

Bibio lanigerus Meigen, 1818

Ebejer et al. 2019, **Rif**, Amsemlil (PNPB, 1067 m)

Bibio laufferi Strobl, 1906

Ebejer et al. 2019, **MA**, 3.5 km S of Azrou (Ifrane, 1450 m), 20 km S of Azrou (Ifrane, 1720 m)

Bibio leucopterus (Meigen, 1804)

Ebejer et al. 2019, **MA**, 6 km S of Azrou (Ifrane, 1610 m)

Bibio marci (Linnaeus, 1758)

Becker and Stein 1913, **Rif**, Tanger; Haenni 2009, **Rif**, Tanger, **MA**, Ifrane

***Dilophus* Meigen, 1803**

Dilophus antipedalis Wiedemann in Meigen, 1818

Ebejer et al. 2019, **Rif**, Oued Azla (Nwawel, 57 m), Oued Azla (Hallila, 95 m)

Dilophus (cf. *bispinosus* Lundström, 1914)¹¹

Séguy 1953a, **AA**, Aïn Chaib (Souss)

Dilophus febrilis (Linnaeus, 1758)

= *Dilophus vulgaris* Meigen, 1818, in Séguy 1949a: 153

¹⁰ The following species have also been considered as Moroccan on the basis of specimens present in the collections of the MISR: *Bibio clavipes* Meigen, 1818, *B. ferruginatus* Linnaeus, 1767, *B. fulvipes* Zetterstedt, 1838, *B. hybridus* Haliday, 1833, *B. lacteipennis* Zetterstedt, 1850, *B. nigriventris* Haliday, 1833, *B. pomonae* (Fabricius, 1775), *B. reticulatus* Loew, 1846, *B. siculus* Loew, 1846, *B. varipes* Meigen, 1830, *B. villosus* Meigen, 1818, *D. femoratus* Meigen, 1804, *D. humeralis* Zetterstedt, 1850 (Mouna 1998). However, none of these species is represented in this collection by specimens originating from Morocco. Accordingly, they are excluded from the present checklist. An additional, still undescribed, species of *Bibio* has been collected in the Rif Mountains (Ketama) in 2004 and 2012 by K. Kettani and will be described elsewhere.

¹¹ The identity of the material of *D. bispinosus* mentioned in Séguy (1953a) should be checked, as *D. clavicornus* Skartveit & Kaplan, 1996, a closely related species that may be present in Morocco, has been described from Israel since this publication.

- Séguy 1949a, **AA**, Goulimine, Foum-el-Hassan
Dilophus femoratus Meigen, 1804
 = *Philia femorata* Meigen, 1804, in Séguy 1941: 2
 Séguy 1941d, **HA**, Tizi-n'Test (2000 m); Pârvu et al. 2006, **AP**, Merja Zerga
Dilophus tridentatus Walker, 1848
 Ebejer et al. 2019, **AP**, Sidi Mokhtar (Essaouira) – MHNN (J.-P. Haenni leg.),
 MNHN (**SA**, Foum-el-Hassan)

Sciaroidea

CECIDOMYIIDAE

K. Kettani, M. Skuhrová, V. Skuhrový
 Number of species: **57**. Expected: 100
 Faunistic knowledge of the family in Morocco: moderate

Lestremiinae

Lestremia Macquart, 1826

- Lestremia parvostylia* Jaschhof, 1994
 Jaschhof 1994, **SA**, Abeino, 15 km N Goulimine; Papp 2007; Gagné 2010;
 Gagné and Jaschhof 2014; Skuhrová et al. 2017

Micromyinae

Campylomyza Meigen, 1818

- Campylomyza flavipes* Meigen, 1818
 Jaschhof 1998, **HA**, Telouet; Skuhrová et al. 2017
Campylomyza fusca Winnertz, 1853
 Jaschhof 1998, **HA**, Telouet; Skuhrová et al. 2017
Campylomyza mohrigi Jaschhof, 2009
 Jaschhof 2009 (south Morocco); Gagné 2010; Skuhrová et al. 2017
Monardia Kieffer, 1895
Monardia (Xylopriona) toxicodendri (Felt, 1907)
 Jaschhof 1998 (South Morocco); Jaschhof 2009; Gagné 2010; Skuhrová et al.
 2017

Cecidomyiinae

Asphondylia Loew, 1850

- Asphondylia capparis* Rübsaamen, 1893
 Houard 1921, **MA**, Fès; Skuhrová et al. 1984; Skuhrová 1986; Skuhrová et al. 2017

Asphondylia cytisi Frauenfeld, 1873

Mimeur 1949, **HA**, Tanzat (1800 m), **AA**, Jebel Sargho, Amalou Bou Mansour (2000 m); Skuhrová et al. 2017

Asphondylia punica Marchal, 1897

= *Asphondylia conglomerata* De Stefani, 1900

Houard 1922, **EM**, Zousfana (Jebel Tagla); Mimeur 1949, **AA**, Agdz; Mouna 1998; Skuhrová et al. 2017

Asphondylia scrophulariae Schiner, 1856

Mimeur 1949, **AP**, Rabat, Arcilla; Skuhrová et al. 2017

Asphondylia verbasci (Vallot, 1827)

Mimeur 1949, **AP**, Maâmora, Rabat, Zaërs; Skuhrová et al. 2017

Baldratia* Kieffer, 1897Baldratia salicorniae* Kieffer, 1897

Mimeur 1949, **AP**, Rabat, Salé, Bou-Regreg; Möhn 1966, **EM**, Melilla, Bona, **AP**, Rabat; Skuhrová et al. 1984; Skuhrová 1986; Skuhrová et al. 2014a; Skuhrová et al. 2017

Bayeriola* Gagné, 1991Bayeriola thymicola* (Kieffer, 1888)

Houard 1923, **HA**, Réghaya; Mimeur 1949, **EM**, Sidi Ali Oujda, Jebel Hamra, Itzer, **MA**, Ifrane, Azrou, Bordj-Doumergue, Timhadite, Aguelmane; Skuhrová et al. 1984; Skuhrová 1986; Skuhrová et al. 1993; Gagné 2010 (south of Morocco); Bruun et al. 2012; Gagné and Jaschhof 2014; Skuhrová et al. 2017

Blastomyia* Kieffer, 1913Blastomyia origani* (Tavares, 1901)

Houard 1922, **MA**, Col de Bouchtata, Zalagh (Mouret); Skuhrová et al. 1984; Skuhrová 1986; Gagné 2010 (south of Morocco); Gagné and Jaschhof 2014; Skuhrová et al. 2017

Braueriella* Kieffer, 1896Braueriella phillyreae* (Löw, 1877)

Houard 1922, **Rif**, Jebel Kébir; Houard 1923, **AP**, Cap Ghir (south of Morocco); Mimeur 1949, **Rif**, Zoumi, Ouezzane, **EM**, Béni Snassen, **AP**, Larache, Zaërs, Mehdiya, Sehoul, **MA**, Jebel Said, Taza, Tahala, Tadla; Mouna 1998; Skuhrová et al. 2017 – MNHN (**AP**, Mehdiya)

Contarinia* Rondani, 1860Contarinia ilicis* Kieffer, 1898

Houard 1919, **MA**, Immouzer; Mimeur 1949, **EM**, Béni Snassen, Ras Foughal, El-Harcha, **MA**, Ifrane, Aït Bou-Mzil, Monts Zaïan, Agoumi-n'Aït Mguild; Skuhrová et al. 2017

Contarinia luteola Tavares, 1902

Mimeur 1949, **EM**, El Harcha, **MA**, Ifrane, Djaba, Imouzzet-du-Kandar, Tafelgha; Mouna 1998; Skuhrová et al. 2017

Contarinia nasturtii (Kieffer, 1888)

Mouna 1998: 85 (no accurate locality); Skuhrová et al. 2017

Contarinia pyrivora (Riley, 1886)

= *Diplosis pirivora* Riley, in Mouna 1998: 85

Mouna 1998: 85 (no accurate locality); Skuhrová et al. 2017

Dasineura Rondani, 1840

Dasineura affinis (Kieffer, 1886)

= *Perrisia affinis* (Kieffer), in Mouna 1998: 85

Mimeur 1949, **Rif**, Tanger, **EM**, Oujda, **AP**, Gharb, Port-Lyautey, Rabat, Fedala, Casablanca, Mazagan, Settat, Oued-Zem, Mogador, **MA**, Fès, Tahala, Marchand; Mouna 1998; Skuhrová et al. 2017; **AP** (Rabat) – MISR

Dasineura asparagi (Tavares, 1902)

Mimeur 1949, **AP**, Rabat, Zaërs, **HA**, Chaouia; Skuhrová et al. 2017

Dasineura crataegi (Winnertz, 1853)

Mimeur 1949, **EM**, Chaouia des Béni Snassen, **AP**, Rabat, Zaërs, **MA**, Ifrane, Tahala Aguelmane de Sidi Ali, Fès, Agoumi-n'Aït Mguild, Tarhzirt, **AA**, Argana, Imi-n-Tanoute; Skuhrová et al. 2017

Dasineura ericaescopariae (Dufour, 1837)

Houard 1912, **Rif**, Cap Spartel; Rübsaamen 1899; Skuhrová et al. 2017

Dasineura helianthemii (Hardy, 1850)

= *Contarinia helianthemii* (Hardy, 1850)

Mimeur 1949, **AP**, Gharb, Maâmora, Zaërs; Skuhrová et al. 2017

Dasineura napi (Loew, 1850)

= *Dasineura brassicae* (Winnertz, 1853) in Mouna 1998: 85

Mouna 1998 (no accurate locality); Skuhrová et al. 2017

Dasineura perichlymeni (Rübsaamen, 1889)

Mimeur 1949, **AP**, Rabat, Chellah, Yquem, Grou, Korifla, **EM**, Berkane; Skuhrová et al. 2017

Dasineura plicatrix (Loew, 1850)

Mimeur 1949, **EM**, Massif des Béni Snassen, El-Harcha, **AP**, Larache, Korifla, Grou, Yquem, Malah, Rabat, **MA**, Azrou, Ifrane, Monts Zaian, Oulmès, Khénifra, **HA**, Tizi-Machou, **AA**, Bigoudine; Skuhrová et al. 2017

Dasineura rosae (Loew, 1850)

= *Wachtliella rosarum* (Hardy, 1850)

Mimeur 1949, **MA**, Ifrane, Aguelmane de Sidi Ali, Aguelmane Azigza, Zaad, Bordj-Doumergue, Bekrite, **HA**, Tizi-Machou; Skuhrová et al. 2017

Dicrodiplosis Kieffer, 1895

Dicrodiplosis pseudococci (Felt, 1914)

Harris 1968, **AP**, Rabat, Salé, **HA**, Asni; Skuhrová et al. 1984; Skuhrová 1986; Skuhrová et al. 2017

Dryomyia Kieffer, 1898

Dryomyia lichtensteinii (Löw, 1878)

Mimeur 1949, **EM**, Debdou, Ras Foughal, El-Harcha, **MA**, Taza, Oulmès, Azrou, Aguelmane Azigza, Ifrane, Imouzzet-du-Kandar, Tizi-n'Tretten, Ida-

ou Tanane, Azilal, **HA**, Ayachi; Skuhrová et al. 1984; Skuhrová 1986; Oosterbroek 2007; Gagné and Jaschhof 2014; Skuhrová et al. 2017; **MA** (Oulmès) – MISR

***Etsuhoa* Inouye, 1959**

Etsuhoa thuriferae Skuhrová, 1996

Mimeur 1949, **HA**, Sidi-Chamharouch, Aït Bou-Jafar; Skuhrová 1995; Skuhrová et al. 2017

***Feltiella* Rübsaamen, 1910**

Feltiella acarisuga (Vallot, 1827)

Gagné 1995, **AP**, Rabat; Osborne et al. 2002 (productive areas of cereals); Gagné 2004; Gagné and Jaschhof 2014; Skuhrová et al. 2017

***Gephyraulius* Rübsaamen, 1916**

Gephyraulius diplotaxis (Solinas, 1982)

Houard 1922, **EM**, Oasis de Figuig, Jebel Ouazzani; Mimeur 1949, **AP**, Vallée de l'Oued Korifla, Sidi Bouknadel; Skuhrová et al. 2017

Gephyraulius raphanistri (Kieffer, 1886)

Houard 1923, **AP**, Mogador; Mimeur 1949, **AP**, Gharb, Skhirat, Bouznika; Skuhrová et al. 2017

***Houardiella* Kieffer, 1912**

Houardiella salicorniae Kieffer, 1912

Trotter 1904, **Rif**, Tingis; Houard 1912, **Rif**, Tanger; Mimeur 1949, **AP**, Loukous, Larache, Ksob, Ameer, Mogador, Rabat, Salé, Bou-Regreg, **EM**, Moulouya, **AA**, Agadir; Skuhrová et al. 2017

***Iteomyia* Kieffer, 1913**

Iteomyia major (Kieffer, 1889)

Mimeur 1949, **AP**, Korifla, Grou, **MA**, Leghzel; Skuhrová et al. 2017

***Jaapiella* Rübsaamen, 1916**

Jaapiella bryoniae (Bouché, 1847)

Mimeur 1949, **Rif**, Ouezzane, **AP**, Sidi Bouknadel, Mehdia, Temara, Skhirat, Pont-Blondin, Larache, Monod, Boulhaut, Safi, **MA**, Tahala, Fès, Khemisset, Marchand, **AA**, Agadir; Skuhrová et al. 2017

***Lasioptera* Meigen, 1818**

Lasioptera berlesiana Paoli, 1907

Mimeur 1949; Skuhrová et al. 1984; Skuhrová 1986; Skuhrová et al. 2017

Lasioptera rubi (Schrank, 1803)

Mimeur 1949, **AP**, Tinkert, **MA**, Ifrane, Taza, Tarhzirt, **HA**, N'Fis, Oumer-Rbia, Jebel Tardema; Skuhrová et al. 2017

Lasioptera thapsiae Kieffer, 1898

= *Lasioptera carophila* F. Löw, in Houard 1923: 699

Houard 1921; Houard 1923, **Rif**, Tanger; Mimeur 1949, **EM**, Béni Snassen, Guercif, **AP**, Settati, **MA**, Tiddas; Mouna 1998; Skuhrová et al. 2017

***Lestodiplosis* Kieffer, 1894**

Lestodiplosis aonidiellae Harris, 1968

Harris 1968, **EM**, Oujda, **AP**, Rabat, **MA**, Fès; Skuhrová et al. 2017

Mayetiola* Kieffer, 1896Mayetiola avenae* (Marchal, 1895)Mouna 1998; Lahloui et al. 2005, **AP**, Settati, Safi, El Jadida, **MA**, Béni Mellal, Khouribga, **HA**, Marrakech, El Kelaâ; Skuhrová et al. 2017*Mayetiola destructor* (Say, 1817)Vayssière 1920, **EM**, Oujda; Jourdan 1937; Hudault and Zelensky 1939; Mimeur 1949; Skuhrová et al. 1984; Skuhrová 1986; Gagné et al. 1991; Amri et al. 1992 (productive areas of cereals); El Bouhssini et al. 1992a, 1992b; Lhaloui et al. 1992; El Bouhssini et al. 1996a, 1996b; Khalifi et al. 1996; Azzam et al. 1997; El Bouhssini et al. 1997, 1999; El Bouhssini et al. 1998; Mouna 1998; Naber et al. 2000, 2003; Lhaloui et al. 2001; Lhaloui et al. 2005; Gagné 2010; Gagné and Jaschhof 2014; Skuhrová et al. 2017; **AP** (Rabat), **MA** – MISR*Mayetiola hordei* Kieffer, 1909Mouna 1998; Gagné et al. 1991; Lhaloui et al. 2005, **AP**, Settati, Safi, El Jadida, **MA**, Béni Mellal, Khouribga, **HA**, Marrakech, El Kelaâ; Skuhrová et al. 2005; Gagné 2010; Gagné and Jaschhof 2014; Skuhrová et al. 2017***Oligotrophus* Latreille, 1805***Oligotrophus panteli* Kieffer, 1898Mimeur 1949, **EM**, Béni Snassen, **MA**, Aguelmane Azigza, Azrou, **HA**, Ayachi, Aït Bou-Jafar; Skuhrová et al. 2017*Oligotrophus valerii* (Tavares, 1904)= *Arceuthomyia valerii* (Tavares, 1904)Mimeur 1949, **HA**, Ayachi, Aït Bou-Jafar; Skuhrová et al. 2017***Orseolia* Kieffer & Massalongo, 1902***Orseolia cynodontis* Kieffer & Massalongo, 1902Houard 1922, **Rif**, Tanger, Aïn Dalia; Skuhrová et al. 1984; Skuhrová 1986; Gagné 2010; Gagné and Jaschhof 2014; Skuhrová et al. 2017***Phyllodiplosis* Kieffer, 1912***Phyllodiplosis cocciferae* (Tavares, 1902)= *Blastodiplosis cocciferae* (Tavares, 1902)Trotter 1904, **Rif**, Cap Spartel; Houard 1912; Mimeur 1949, **Rif**, Cap Spartel, Ouezzane, **EM**, Béni Snassen, El-Harcha, **AP**, Larache, Maâmora, Boulhaut, Zaërs, **MA**, Taza, Djaba, Ifrane, Imouzzar-du-Kandar, Dayet Achlaf, Dayet Ifrah, Michlifén, Bordj-Doumergue, Zaad, Bekrite, Aguelmane Azigza, Agoumi-n'Aït Mguild, Bou-Mzil, **HA**, Bou-Jafar, Jebel Tardema; Skuhrová et al. 1984; Skuhrová 1986; Gagné 2010; Gagné and Jaschhof 2014***Psectrosema* Kieffer, 1904***Psectrosema tamaricum* (Kieffer, 1912)= *Amblardiella tamaricum* Kieffer, in Mouna 1998: 85Houard 1922, **EM**, Zousfana, near Sidi Youssef; Mimeur 1949, Morocco Mediterranean, continental and sub-saharan, **EM**, Berkane, Moulouya, **AP**, **MA**, Tadla, **HA**, Haouz, **AA**, Tafilalet, **SA**, Agad; Skuhrová et al. 1984; Skuhrová 1986; Mouna 1998; Skuhrová et al. 2014a; Skuhrová et al. 2017***Resseliella* Seitner, 1906**

Resseliella oleisuga (Targioni-Tozzetti, 1887)

= *Clinodiplosis oleisuga* Targioni-Tozzetti, in Mouna 1998: 85

Hafraoui 1966; Skuhrová et al. 1984; Skuhrová 1986; Mouna 1998; Gagné 2010; Gagné and Jaschhof 2014; Skuhrová et al. 2017

***Rhopalomyia* Rübsaamen, 1892**

Rhopalomyia navasi Tavares, 1904

Houard 1922, **EM**, Jebel Mais, Djahifa, **HA**, Aït Ameli; Houard 1923; Mimeur 1949, **EM**, Figuig, Jebel Nokra, Ifkern, Haute Moulouya, **MA**, Tadla; Skuhrová et al. 1993; Skuhrová et al. 2014b; Skuhrová et al. 2017

***Schizomyia* Kieffer, 1889**

Schizomyia buboniae (Frauenfeld, 1859)

Houard 1917, **EM**, Djorf de Taouriet; Houard 1922, **EM**, Jebel Tagla, Aïn Yalon; Skuhrová et al. 2014a; Skuhrová et al. 2017

***Stefaniella* Kieffer, 1898**

Stefaniella trinacriae De Stefani, 1900

Mimeur 1949, **AP**, Oualidia, Zima, Casablanca; Skuhrová et al. 2017

***Stefaniola* Kieffer, 1913**

Stefaniola africana Möhn, 1971

Mimeur 1949, **AP**, Rabat, Salé, Bou-Regreg; Skuhrová et al. 2017

Stefaniola bilobata (Kieffer, 1913)

Houard 1922–1923; Mimeur 1949, **MA**, Tadla, **HA**, Ksar-es-Souk, **AA**, Haouz; Skuhrová et al. 1984; Skuhrová 1986; Skuhrová et al. 1993; Gagné 2010; Gagné and Jaschhof 2014; Skuhrová et al. 2017

Stefaniola opulenta Möhn, 1971

Möhn 1971; Skuhrová et al. 1984; Skuhrová 1986; Gagné 2010; Gagné and Jaschhof 2014; Skuhrová et al. 2017; Pape and Thompson 2019

Stefaniola ventriosa Möhn, 1971

Möhn 1971, **MA**, Oued Gheris; Skuhrová et al. 1984; Skuhrová 1986; Gagné 2010; Gagné and Jaschhof 2014; Skuhrová et al. 2014a; Skuhrová et al. 2017

***Thecodiplosis* Kieffer, 1895**

Thecodiplosis brachyntera (Schwägrichen, 1835)

Mouna 1998: 85 (no accurate locality); Skuhrová et al. 2017

KEROPLATIDAE

K. Kettani, P.J. Chandler

Number of species: **2**. Expected: 50

Faunistic knowledge of the family in Morocco: poor

Keroplatae

***Keroplatus* Bosc, 1792**

Keroplatus reaumurii (Dufour, 1839)

Matile 1986; Chandler et al. 2005; Evenhuis 2006

Macrocera* Meigen, 1803Macrocera fasciata* Meigen, 1804Becker and Stein 1913, **Rif**, Tanger; Chandler and Ribeiro 1995; Evenhuis 2006**MYCETOPHILIDAE**

K. Kettani, P.J. Chandler

Number of species: **64**. Expected: 250

Faunistic knowledge of the family in Morocco: poor

Mycetophilinae

Exechiini

Allodiopsis* Tuomikoski, 1966Allodiopsis rustica* Edwards, 1941Banamar et al. 2020, **Rif**, Dayat Tazia***Anatella* Winnertz, 1864***Anatella concava* Plassmann, 1990Banamar et al. 2020, **Rif**, Oued Aârate***Brevicornu* Marshall, 1896***Brevicornu intermedium* (Santos Abréu, 1920)Banamar et al. 2020, **Rif**, Forêt Jebel Lakraâ, Oued Tisgris, Oued Aârate, Dayat Tazia, Oued Maggou (Maggou Village), Douar Tizga, maison forestière de Talassemthane, Dayat Jebel Zemzem, Aïn Takhninjoute, Forêt Adrou, Dayat Amsemlil*Brevicornu griseicollae* Staeger, 1840Banamar et al. 2020, **Rif**, Dayat Fifi, Oued Aârate, Dayat Tazia, Oued Maggou (Maggou Village), Aïn El Malaâb, maison forestière de Talassemthane, Douar Tizga, Aïn Takhninjoute, Dayat Amsemlil, Dayat Lemtahane, Dayat avant Taida*Brevicornu sericoma* (Meigen, 1830)Banamar et al. 2020, **Rif**, Chefchaouen, Dayat Fifi, Forêt Jebel Lakraâ, Dayat Fifi, Oued Maggou (Maggou Village), maison forestière de Talassemthane, Douar Tizga, Oued Amsemlil, Grotte d'Hercule, Forêt Adrou, Cascade Chrafate, Oued Aârate, Bab el Karn, Dayat Amsemlil – MNHN (coll. J. Beaucournu)*Brevicornu verralli* (Edwards, 1925)Banamar et al. 2020, **Rif**, Dayat Afersiw, Forêt Jebel Lakraâ***Cordyla* Meigen, 1803***Cordyla crassicornis* Meigen, 1818Chandler and Ribeiro 1995; Banamar et al. 2020, **Rif**, Douar Abou Boubnar, maison forestière de Talassemthane, Forêt Adrou, Oued Sidi Yahia Aârab, **EM**, Oued Tafoughalt; **Rif** (Chefchaouen) – MNHN*Cordyla insons* Laštovka & Matile, 1974Banamar et al. 2020, **Rif**, Oued Maggou

Cordyla murina Winnertz, 1864

Banamar et al. 2020, **Rif**, Forêt Aïn Boughaba

Cordyla styliforceps (Bukowski, 1934)

Banamar et al. 2020, **Rif**, maison forestière de Talassemrane, Oued Tkaraâ, Oued Sidi Yahia Aârab

Exechia Winnertz, 1863*Exechia bicincta* (Staeger, 1840)

Banamar et al. 2020, **Rif**, Oued Kelaâ, Oued Aârate, **EM**, Grotte des Pigeons, Oued Tafoughalt

Exechia dorsalis (Staeger, 1840)

Banamar et al. 2020, **Rif**, Bab el Karn

Exechia fulva Santos Abreu, 1920

= *Rymosia exornata* Séguy, in Séguy 1941a: 26

Séguy 1941a, **HA**, Toubkal; Chandler and Ribeiro 1995; Banamar et al. 2020, **Rif**, Oued Kelaâ, Forêt Aïn Boughaba, Forêt Jebel Lakraâ, Dayat Fifi, Aïn Sidi Brahim Ben Arrif, Oued Maggou (Maggou Village), Aïn Takhninjoute, maison forestière de Talassemrane, Oued Amsemlil, Dayat Jebel Zemzem, Aïn Takhninjoute, Bab el Karn, Dayat Fifi, Dayat Amsemlil; **Rif** (Chefchaouen, coll. J. Beaucournu) – MNHN; **Rif** (20 km west of Targuist, coll. A.M. Hutson) – NHMUK

Exechia fusca (Meigen, 1804)

Banamar et al. 2020, **Rif**, Oued Kelaâ, Forêt Jebel Lakraâ, Douar Kitane, Dayat Amsemlil

Exechiopsis Tuomikoski, 1966*Exechiopsis coremura* (Edwards, 1928)

Banamar et al. 2020, **Rif**, Cascade Chrafate

Pseudexechia Tuomikoski, 1966*Pseudexechia tuomikoskii* (Kjærandsen, 2009)

Banamar et al. 2020, **Rif**, Source Aheramen

Rymosia Winnertz, 1864*Rymosia affinis* Winnertz, 1864

Banamar et al. 2020, **Rif**, maison forestière de Talassemrane, Dayat Amsemlil, Aïn Tiouila, Dayat Fifi

Rymosia beaucournui Matile, 1963

Chandler 1994; Chandler and Ribeiro 1995; Chandler et al. 2005; Banamar et al. 2020, **EM**, Grotte des Pigeons; **AP** (Oued y Kern, coll. H. Choumara) – MNHN

Rymosia pseudocretensis Burghel-Balacesco, 1966

Chandler 1994; Chandler et al. 2005; Banamar et al. 2020; **AP** (Oued y Kern, coll. H. Choumara) – MNHN

Stigmatomeria Tuomikoski, 1966*Stigmatomeria crassicornis* (Stannius, 1831)

Banamar et al. 2020, **Rif**, Forêt Jebel Lakraâ, Dayat Fifi, Aïn Takhninjoute, maison forestière de Talassemrane, Dayat Amsemlil; **Rif** (Chefchaouen, coll. J. Beaucournu) – MNHN

Tarnania* Tuomikoski, 1966Tarnania dziedzickii* (Edwards, 1941)

Banamar et al. 2020, **Rif**, maison forestière de Talassemtane, Dayat Amsemlil, Cascade Chrafate, Dayat Amsemlil, Grotte Aïn El-Aouda – MNHN

Mycetophilini

Mycetophila* Meigen, 1804Mycetophila alea* Laffoon, 1965

Banamar et al. 2020, **Rif**, Aïn el Ma Bared, maison forestière de Talassemtane, Oued Aârate, Bab el Karn; **Rif** (Chefchaouen, coll. J. Beaucournu) – MNHN

Mycetophila britannica Laštovka & Kidd, 1975

Chandler and Ribeiro 1995; Banamar et al. 2020, **Rif**, Forêt Aïn Boughaba, Forêt Jebel Lakraâ, Douar Kitane, Aïn El Malaâb, oued à 15 km de Fifi, Aïn El Ma Bared, maison forestière de Talassemtane, Oued Maggou (Maggou Village), Aïn Takhninjoute, Grotte d'Hercule, Oued Aârate, Bab el Karn, Dayat Amsemlil, Dayat Lemtahane, Dayat avant Taida, Forêt Taghzout – MNHN

Mycetophila deflexa Chandler, 2001

Banamar et al. 2020, **Rif**, Forêt Taghzout, route Ksar el Kebir–Chefchaouen

Mycetophila edwardsi Lundström, 1913

Banamar et al. 2020, **Rif**, Dayat Fifi, Dayat Tazia, Oued Tkarae, Forêt Jebel Lakraâ, Forêt Taghzout, Grotte d'Hercule, **EM**, Béni Snassen

Mycetophila formosa Lundström, 1911

Banamar et al. 2020, **Rif**, Forêt Jebel Lakraâ, Oued Amsemlil, Dayat Amsemlil, Dayat avant Taida

Mycetophila marginata Winnertz, 1864

Banamar et al. 2020, **Rif**, Aïn Ras el Ma, Oued Maggou (Maggou Village), maison forestière de Talassemtane, Dayat Amsemlil; **Rif** (Chefchaouen, coll. J. Beaucournu) – MNHN

Mycetophila perpallida Chandler, 1993

Banamar et al. 2020, **Rif**, Forêt Aïn Boughaba, Aïn El Malaâb, maison forestière de Talassemtane, Bab el Karn, Dayat Amsemlil, Douar Kitane

Mycetophila pictula Meigen, 1830

Chandler and Ribeiro 1995; Banamar et al. 2020, **Rif**, Forêt Jebel Lakraâ, Oued Maggou (Maggou Village); **Rif** (Chefchaouen, coll. J. Beaucournu) – MNHN

Mycetophila sordida van der Wulp, 1874

Chandler 1994; Banamar et al. 2020, **Rif**, Forêt Jebel Lakraâ; Oued Maggou (Maggou Village); **MA** (Khenolap-el-Ouaer, 1580 m, coll. J. Beaucournu) – MNHN

Mycetophila spectabilis Winnertz, 1864

Banamar et al. 2020, **Rif**, Forêt Jebel Lakraâ, Forêt Aïn Boughaba, oued à 15 km de Fifi, Aïn El Malaâb

Mycetophila strigatoides (Landrock, 1927)

Banamar et al. 2020, **Rif**, Forêt Taghzout, Oued Aârate

Mycetophila unicolor Stannius, 1831

Banamar et al. 2020, **Rif**, Oued Kelaâ

Mycetophila vittipes Zetterstedt, 1852

Banamar et al. 2020, **Rif**, Forêt Jebel Lakraâ, maison forestière de Talassem-tane, Dayat Amsemlil

***Phronia* Winnertz, 1863**

Phronia biarcuata (Becker, 1908)

Chandler 1994; Chandler and Ribeiro 1995; Chandler et al. 2005; Banamar et al. 2020, **Rif**, Dayat Tazia, Aïn el Ma Bared, Aïn El Malaâb, Aïn Takhnin-joute, maison forestière de Talassem-tane, Grotte d'Hercule, Dayat Amsemlil; **Rif** (Chefchaouen, coll. J. Beaucournu) – MNHN

Phronia cinerascens Winnertz, 1864

Banamar et al. 2020, **Rif**, Dayat Amsemlil

Phronia nitidiventris (van der Wulp, 1858)

Banamar et al. 2020, **Rif**, Dayat Afersiw, Oued Aârate

Phronia tenuis Winnertz, 1864

Banamar et al. 2020, **Rif**, Oued Kelaâ, Oued Aârate, Oued Maggou (Maggou Village), Aïn Takhninjoute, Grotte d'Hercule

Phronia tyrrhenica Edwards, 1928

Banamar et al. 2020, **Rif**, Forêt Jebel Lakraâ, maison forestière de Talassem-tane, Dayat Amsemlil, Aïn Takhninjoute

Phronia willistoni Dziedzicki, 1889

Banamar et al. 2020, **Rif**, Forêt Jebel Lakraâ, Oued Aârate, maison forestière de Talassem-tane, Dayat Amsemlil, Cascade Chrafate, Bab el Karn

***Sceptonia* Winnertz, 1864**

Sceptonia intestata Plassmann & Schacht, 1990

Banamar et al. 2020, **Rif**, maison forestière de Talassem-tane, Aïn El Malaâb

Sceptonia membranacea Edwards, 1925

Banamar et al. 2020, **Rif**, oued à 15 km de Fifi, Oued Aârate

***Trichonta* Winnertz, 1864**

Trichonta foeda Loew, 1869

Banamar et al. 2020, **Rif**, Aïn Takhninjoute, Bab el Karn, Dayat Amsemlil, Oued Tkarae

Trichonta icenica Edwards, 1925

Banamar et al. 2020, **EM**, Grotte du Chameau

Trichonta vitta (Meigen, 1830)

Banamar et al. 2020, **Rif**, Forêt Jebel Lakraâ, Bab el Karn

Trichonta vulcani Dziedzicki, 1889

Banamar et al. 2020, **EM**, Grotte du Chameau

***Zygomyia* Winnertz, 1864**

Zygomyia humeralis (Wiedemann, 1817)

Banamar et al. 2020, **Rif**, maison forestière de Talassem-tane

Zygomyia valida Winnertz, 1864

Banamar et al. 2020, **Rif**, Aïn Ras el Ma, Oued Aârate

Leiinae

Docosia* Winnertz, 1864Docosia gilvipes* (Walker, 1856)

Banamar et al. 2020, **Rif**, Forêt Jebel Lakraâ, maison forestière de Talassem-tane, Aïn Takhninjoute, Dayat Amsemlil

Leia* Meigen, 1818Leia arsona* Hutson, 1978

Banamar et al. 2020, **Rif**, Oued Maggou (Maggou village), Oued Sidi Yahia Aârab, **MA**, Aïn Walili

Leia beckeri Landrock, 1940

Banamar et al. 2020, **Rif**, Aïn Ras el Ma

Leia bimaçulata (Meigen, 1804)

Chandler 1994; Chandler et al. 2005; Banamar et al. 2020, **Rif**, Dayat Tazia, maison forestière de Talassem-tane, Aïn el Ma Bared, **MA**, Forêt 3.5 km S Azrou; **MA** (Forêt Ifrane, coll. P.N. Lawrence) – NHMUK

Novakia* Strobl, 1893Novakia scatopsiformis* Strobl, 1893

Banamar et al. 2020, **Rif**, maison forestière de Talassem-tane

Novakia simillima Strobl, 1910

Banamar et al. 2020, **Rif**, Oued Aârate, maison forestière de Talassem-tane

Gnoristinae

Boletina* Staeger, 1840Boletina gripha* Dziedzicki, 1885

Banamar et al. 2020, **Rif**, Dayat Fifi, Oued Aârate, Aïn Sidi Brahim Ben Arrif, Dayat Amsemlil, Grotte d'Hercule, Cascade Chrafate, Oued Sidi Yahia Aârab, Aïn el Ma Bared, Bab el Karn, **MA**, forêt 3.5 km S Azrou

Coelosia* Winnertz, 1864Coelosia fusca* Bezzi, 1892

Banamar et al. 2020, **Rif**, Dayat Fifi, Oued Kelaâ, Oued Amsemlil, Dayat Amsemlil, Aïn Takhninjoute, Cascade Chrafate, Bab el Karn, Dayat avant Taida

Synapha* Meigen, 1818Synapha fasciata* Meigen, 1818

Banamar et al. 2020, **Rif**, Aïn Sidi Brahim Ben Arrif, Dayat Tazia, Forêt Adrou, Dayat Amsemlil, Dayat avant Taida

Synapha vitripennis (Meigen, 1818)

Banamar et al. 2020, **Rif**, Dayat Amsemlil

Tetragoneura* Winnertz, 1846Tetragoneura ambigua* Grzegorzek, 1885

Banamar et al. 2020, **Rif**, Forêt Aïn Boughaba, **EM**, Oued Tafoughalt

Mycomyinae

Mycomya* Rondani, 1856Mycomya flavicollis* (Zetterstedt, 1852)Banamar et al. 2020, **Rif**, Aïn El Malaâb, maison forestière de Talassemtane*Mycomya pygmalion* Väisänen, 1984Banamar et al. 2020, **Rif**, Oued Amsemlil, Aïn Sidi Brahim Ben Arrif*Mycomya tumida* (Winnertz, 1864)Banamar et al. 2020, **Rif**, Dayat Fifi

Sciophilinae

Azana* Walker, 1856Azana anomala* Staeger, 1840Banamar et al. 2020, **Rif**, Oued Maggou (Maggou village), maison forestière de Talassemtane***Sciophila* Meigen, 1818***Sciophila iberolutea* Chandler & Blasco-Zumeta, 2001Chandler and Gatt 2000, **AP**, Oued y Kern; Chandler and Blasco-Zumeta 2001, **AP**, Oued y Kern; Bechev and Koç 2006; Banamar et al. 2020, **Rif**, maison forestière de Talassemtane, Dayat Jebel Zemzem, Oued Sidi Yahia Aârab, Bab el Karn, Marabout el Khaloua; **AP** (Oued y Kern, coll. H. Choumara) – MNHN**SCIARIDAE**

K. Kettani, K. Heller

Number of species: **70**. Expected: 200–500

Faunistic knowledge of the family in Morocco: poor

Austrosciara* Schmitz & Mjöberg, 1924Austrosciara hyalipennis* (Meigen, 1804)El Ouazzani et al. 2019, **Rif**, Douar El Hamma, **MA**, Lac Ouiouane***Bradysia* Winnertz, 1867***Bradysia alpicola* (Winnertz, 1867)El Ouazzani et al. 2019, **MA**, Lac Ouiouane*Bradysia bulbiger* Mohrig & Kauschke, 1994El Ouazzani et al. 2019, **Rif**, Oued Ouara, Oued Ametrasse, Merzouk Bni Salah, Dayat Bayn widane, **HA**, Ouirgane*Bradysia cavernicola* Mohrig & Eckert, 1999Menzel and Heller 2004, **HA**, Ouirgane*Bradysia cinerascens* (Grzegorzek, 1884)El Ouazzani et al. 2019, **Rif**, Issaguen, Anissar (PNPB)

Bradysia crinita Mohrig, 1992

El Ouazzani et al. 2019, **Rif**, Issaguen, Douar El Hamma

Bradysia fenestralis (Zetterstedt, 1838)

El Ouazzani et al. 2019, **Rif**, Forêt R'milat

Bradysia fenestrata (Meigen, 1818)

El Ouazzani et al. 2019, **Rif**, Jebel Zemzem, Oued Tkarâa, Ben Karrich, Dayat Tazia, Perdicaris Park, Tourbière Amsemlil, Dayat Tazia

Bradysia flavipila Tuomikoski, 1960

El Ouazzani et al. 2019, **HA**, Ouirgane

Bradysia iberiana Rudzinski & Baumjohann, 2009

El Ouazzani et al. 2019, **HA**, Ouirgane

Bradysia lembkei Mohrig & Menzel, 1990

El Ouazzani et al. 2019, **Rif**, Oued Maggou, Dayat Tazia, **AP**, Forêt Maâmora, **HA**, Ouirgane, Gerifodene

Bradysia lucichaeta Mohrig & Krivosheina, 1989

Mohrig et al. 1997, **AA**, Sidi Rbat (40 km S Agadir)

Bradysia mediterranea Mohrig & Menzel, 1992

Mohrig and Menzel 1992, **HA**

Bradysia nigrispina Menzel, 2006

El Ouazzani et al. 2019, **HA**, Gerifodene

Bradysia pectoralis (Staeger, 1840)

El Ouazzani et al. 2019, **MA**, Lac Ouiouane, **HA**, Ouirgane

Bradysia placida (Winnertz, 1867)

El Ouazzani et al. 2019, **HA**, Ouirgane

Bradysia promissa Mohrig & Röschmann, 1999

El Ouazzani et al. 2019, **Rif**, Beni Barou, Anissar (PNPB), Oued Tkarâa (PNPB), Taida, Marabout Moulay Abdelsalam

Bradysia reflexa Tuomikoski, 1960

El Ouazzani et al. 2019, **HA**, Ouirgane

Bradysia regularis (Lengersdorf, 1934)

El Ouazzani et al. 2019, **Rif**, Talassemthane (maison forestière), **HA**, Ouirgane

Bradysia ruginosa Mohrig, 1994

Mohrig et al. 1997, **SA**, Ablino (15 km N Goulimine); El Ouazzani et al. 2019, **Rif**, Jebel Lakraâ, Aïn El Fakir, **HA**, Amizmiz

Bradysia santorina Mohrig & Menzel, 1992

Mohrig et al. 1997, **AA**, Sidi Rbat (40 km S Agadir)

Bradysia scabricornis Tuomikoski, 1960

El Ouazzani et al. 2019, **Rif**, Oued Ouara, Maggou, Oued Azla, Douar El Hamma, **HA**, Ouirgane, Setti Fatma, Oued Imlil

Bradysia subrufescens Mohrig & Krivosheina, 1989

El Ouazzani et al. 2019, **HA**, Ouirgane

Bradysia subsantorina Mohrig & Kauschke, 1997

El Ouazzani et al. 2019, **HA**, Ouirgane

Bradysia tilicola (Loew, 1850)

El Ouazzani et al. 2019, **Rif**, Douar Tissouka, **MA**, Lac Ouiouane, **HA**, Ouirgane

Bradysia transitata Rudzinski & Baumjohann, 2013

El Ouazzani et al. 2019, **Rif**, Oued Ez-Zarka, Oued Tkarâa (PNPB), Oued Laou, **AP**, Larache (Strawberry farm), Forêt Maâmora, **AA**, Barrage Aoulouz, Assif Tifnout

Bradysia trivittata (Staeger, 1840)

Mohrig and Röschmann 1993, **HA**, **AA**, Sidi Rbat (40 km S Agadir); El Ouazzani et al. 2019, **Rif**, Aïn Tayattine, Oued Ez-Zarka, Oued Bayine, Beni Barrou, Douar El Hamma, Douar Mouarâa, Tétouan, **MA**, Lac Ouiouane, **HA**, Télouet, Ouirgane

Bradysia vagans (Winnertz, 1868)

misidentified as *Bradysia rufescens* (Zetterstedt, 1852) in Röschmann and Mohrig 1993: 111

Röschmann and Mohrig 1993, **HA**, Talouete; El Ouazzani et al. 2019, **Rif**, Aïn Fouara, **HA**, Ouirgane

Bradysia xenoreflexa Mohrig & Menzel, 1993

El Ouazzani et al. 2019, **AP**, Forêt Maâmora

Bradysiopsis* Tuomikoski, 1960Bradysiopsis vittata* (Meigen, 1830)

El Ouazzani et al. 2019, **HA**, Setti Fatma

Camptochaeta* Hippi & Vilkamaa, 1994Camptochaeta jeskei* (Mohrig & Röschmann, 1993)

= *Corynoptera jeskei* Mohrig and Röschmann, in Röschmann and Mohrig 1993: 109
Röschmann and Mohrig 1993, **HA**, Talouete (1800 m)

Corynoptera* Winnertz, 1867Corynoptera andalusica* Hippi, Vilkamaa & Heller, 2010

El Ouazzani et al. 2019, **MA**, Lac Ouiouane, **HA**, Ouirgane

Corynoptera bicuspidata (Lengersdorf, 1926)

Hippi et al. 2010, **HA**, Ouirgane, Lac Ouiouane

Corynoptera bispinulosa Mohrig & Dimitrova, 1992

El Ouazzani et al. 2019, **EM**, Tafoughalt

Corynoptera caesula Hippi & Menzel, 2004

El Ouazzani et al. 2019, **Rif**, Aïn Kchour, **AP**, Forêt Maâmora

Corynoptera cincinnata Mohrig & Blasco-Zumeta, 1996

Hippi et al. 2010, **HA**, Ouirgane

Corynoptera dentiforceps (Bukowski & Lengersdorf, 1936)

El Ouazzani et al. 2019, **HA**, Ouirgane

Corynoptera deserta Heller & Menzel, 2006

El Ouazzani et al. 2019, **HA**, Ouirgane

Corynoptera fatigans (Johannsen, 1912)

= *Corynoptera perpusilla* Winnertz, 1867, in Mohrig et al. 1997: 384

Mohrig et al. 1997, **HA**, Anezal; Hippi et al. 2010 [for nomenclature see Mohrig et al. 2013]

Corynoptera gemina (Hippa & Vilkamaa, 1994)

El Ouazzani et al. 2019, **HA**, Ouirgane

Corynoptera globiformis (Frey, 1945)

El Ouazzani et al. 2019, **Rif**, Talassemrane (maison forestière)

Corynoptera hemiacantha Mohrig & Mamaev, 1992

El Ouazzani et al. 2019, **HA**, Ouirgane

Corynoptera iberica Hippa, Vilkamaa & Heller, 2010

El Ouazzani et al. 2019, **AP**, Forêt Maâmora, Sidi Boughaba

Corynoptera inclinata Hippa, Vilkamaa & Heller, 2010

Hippa et al. 2010, **HA**, Ouirgane

Corynoptera irmgardis (Lengersdorf, 1930)

Hippa et al. 2010, **HA**, Ouirgane

Corynoptera postglobiformis Mohrig, 1993

El Ouazzani et al. 2019, **Rif**, Talassemrane (maison forestière), **HA**, Ouirgane

Corynoptera praeparvula Mohrig & Krivosheina, 1983

El Ouazzani et al. 2019, **HA**, Ouirgane, Amizmiz, Gerifodene

Corynoptera saccata Tuomikoski, 1960

Hippa et al. 2010, **SA**, Goulimine; Mohrig et al. 2012

Corynoptera semipedestris Mohrig & Blasco-Zumeta, 1996

Mohrig et al. 1997, **SA**, Ablino (15 km N Goulimine)

Corynoptera spiciceps Hippa, Vilkamaa & Heller, 2010

Hippa et al. 2010, **HA**, Ouirgane

Corynoptera stipidaria Mohrig, 1994

Hippa et al. 2010, **HA**, Ouirgane

Corynoptera subcavipes Menzel & Smith, 2007

El Ouazzani et al. 2019, **Rif**, Douar El Hamma, Talassemrane (maison forestière)

Corynoptera subparvula Tuomikoski, 1960

El Ouazzani et al. 2019, **HA**, Ouirgane

***Epidapus* Haliday, 1851**

Epidapus atomarius (De Geer, 1778)

El Ouazzani et al. 2019, **Rif**, Aïn el Ma Bared (Fifi)

***Leptosciarella* Tuomikoski, 1960**

Leptosciarella dives (Johannsen, 1912)

Mohrig et al. 2012, **HA**, Ouirgane

Leptosciarella parcepilosa (Strobl, 1900)

El Ouazzani et al. 2019, **AP**, Sidi Boughaba

Leptosciarella subviatica Mohrig & Menzel, 1997

El Ouazzani et al. 2019, **HA**, Ouirgane

Leptosciarella tomentosa (Mohrig & Kauschke, 1994)

El Ouazzani et al. 2019, **AP**, Forêt Maâmora

***Lycoriella* Frey, 1942**

Lycoriella agraria (Felt, 1898)

El Ouazzani et al. 2019, **Rif**, Douar Tissouka

Lycoriella sativae (Johannsen, 1912)

El Ouazzani et al. 2019, **Rif**, M'Diq, Oued Zaouya, **AP**, Larache (strawberry farm), **HA**, Ouirgane

***Pseudolycoriella* Menzel & Mohrig, 1998**

Pseudolycoriella morenae (Strobl, 1900)

El Ouazzani et al. 2019, **Rif**, Perdicaris Park, Bab Tariouant, Oued Maggou, **EM**, Zegzel, **HA**, Ouirgane

***Scatopsiara* Edwards, 1927**

Scatopsiara (*Scatopsiara*) *atomaria* (Zetterstedt, 1851)

= *Scatopsiara vivida* (Winnertz, 1867), in Röschmann and Mohrig 1993: 111

Röschmann and Mohrig 1993, **HA**, Talouete; El Ouazzani et al. 2019, **Rif**, Oued Ez-Zarka, Oued Tkarâa (PNPB), Oued Guallet, Marécage Lemtahane (PNPB), Oued Ametrasse, Issaguen, Talassemthane (maison forestière), Douar El Hamma, Aïn Fouara, Oued Souk El Had, Merzouk Bni Salah, Oued Maggou, **AP**, Sidi Boughaba, **HA**, Assif Tifnout, Gerifodene, Armed, Amzmiz, Lac Tislit, **AA**, Barrage Mokhtar Soussi

Scatopsiara (*Scatopsiara*) *maroccoensis* Mohrig & Jaschhof, 1997

Mohrig et al. 1997, **AA**, Sidi Rbat (40 km S Agadir)

Scatopsiara (*Scatopsiara*) *nana* (Winnertz, 1871)

El Ouazzani et al. 2019, **Rif**, Oued Ez-Zarka, Oued Maâmala, Oued Aârkob, Ben Karrich, Merja Sidi Lhaj Merzouk, Tétouan, **HA**, Ouirgane, Anafgou

Scatopsiara (*Scatopsiara*) *vitripennis* (Meigen, 1818)

El Ouazzani et al. 2019, **Rif**, Oued Ouarra, Oued Tkarâa (PNPB), Oued Aoudour, Oued Ametrasse, Oued Aârkob, Oued Boumarouil, Ben Karrich, Dayat Tazia, Aïn El Fakir, Azib de Khmis Mdik, Merzouk Bni Salah, Oued Souk El Had, Oued Maggou, El Malâab (Talamsemtane), **AP**, Sidi Boughaba, **MA**, Lac Ouiouane, **HA**, Ouirgane, **AA**, Barrage Aoulouz, Assif Tifnout, Barrage Mokhtar Soussi

Scatopsiara (*Xenopygina*) *curvilinea* (Lengersdorf, 1934)

El Ouazzani et al. 2019, **AP**, Sidi Boughaba, **HA**, Aïn Taferaout, Amzmiz, **AA**, Assif Tifnout, Barrage Mokhtar Soussi

Scatopsiara (*Xenopygina*) *subarmata* Mohrig & Mamaev, 1983

El Ouazzani et al. 2019, **Rif**, Oued Amsa, **AP**, Larache, **MA**, Mont Habri, **HA**, Ouirgane, **AA**, Id Aissa, Tissint

***Schwenckfeldina* Frey, 1942**

Schwenckfeldina carbonaria (Meigen, 1830)

= *Sciara carbonaria* Meigen, in Séguy 1941d: 2

Séguy 1941d, **HA**, Tizi-n'Test (2000 m)

***Sciara* Meigen, 1803**

Sciara flavimana Zetterstedt, 1851

El Ouazzani et al. 2019, **Rif**, Douar El Hamma

Sciara hemerobioides (Scopoli, 1763)

= *Lycoria* (*Sciara*) *thomae* Linnaeus, in Becker and Stein 1913: 85

Becker and Stein 1913, **Rif**, Tanger

Suborder BRACHYCERA

Stratiomyoidea

STRATIOMYIDAE

K. Kettani, N. Woodley

Number of species: **40**. Expected: 50–60

Faunistic knowledge of the family in Morocco: moderate

Beridinae

***Beris* Latreille, 1802**

Beris rozkosnyi Kassebeer, 1996

Kassebeer 1996; Woodley 2001, **MA**, Meknès, Ifrane; Kehlmaier 2004; Yimlahi et al. 2017

***Chorisops* Rondani, 1856**

Chorisops tunisiae (Becker, 1915)

Haenni 1990, **Rif**, Tanger; Woodley 2001; Kehlmaier 2004; Mason et al. 2006; Koçak and Kemal 2010; Yimlahi et al. 2017; Lebard et al. 2020

Clitellariinae

***Pycnomalla* Gerstaecker, 1857**

Pycnomalla aterrima Sack, 1912

Séguy 1930a, **MA**, Tizi-s'Tkrine (1700 m); Séguy 1953a, **MA**, Dayat Aoua; Woodley 2001; Yimlahi et al. 2017

Pycnomalla auriflua (Erichson, 1841)

Séguy 1930a, **MA**, Soufouloud (1900–2100 m), Boulhaut; Duisit 1960, **AP**, Cap Cantin; Woodley 2001

Pycnomalla splendens (Fabricius, 1787)

Séguy 1930a; Séguy 1953a, **MA**, Dayat Aoua; Duisit 1960, **AP**, forest of Maâmora, Casablanca, Cap Cantin; Rozkošný 1983, **AP**, Cap Cantin; Woodley 2001; Kehlmaier 2004; Koçak and Kemal 2010; Yimlahi et al. 2017

Nemotelinae

***Lasiopa* Brullé, 1832**

Lasiopa benoisti Séguy, 1930

Séguy 1930a, **MA**, Meknès; Duisit 1960, **EM**, Aïn Guettara (Middle Moulouya); Woodley 2001; Koçak and Kemal 2010; Yimlahi et al. 2017

Lasiopa pantherina Séguy, 1930

Séguy 1930a, **EM**, Maharidja; Woodley 2001; Yimlahi et al. 2017

Nemotelus* Geoffroy, 1762Nemotelus (Camptopelta) nigrinus* Fallén, 1817Duisit 1960, **AP**, Khatouat (S Rabat); Dakki 1997; Woodley 2001; Yimlahi et al. 2017*Nemotelus (Nemotelus) atriceps* Loew, 1856Yimlahi et al. 2017, **AA**, village Massa*Nemotelus (Nemotelus) cingulatus* Dufour, 1852Rozkošný 1977, **AP**, Skhirat; Rozkošný 1983, **Rif**, Tanger; Woodley 2001; Yimlahi et al. 2017, **Rif**, Dayat Afrate, Oued Koub*Nemotelus (Nemotelus) cylindricornis* Rozkošný, 1977Faucheux 2009, **AP**, Oualidia*Nemotelus (Nemotelus) danielssoni* Mason, 1989Yimlahi et al. 2017, **Rif**, Oued Izelfane (Beni Boufrah)*Nemotelus (Nemotelus) latiusculus* Loew, 1871Lindner 1949; Rozkošný 1977; Rozkošný 1983, **Rif**, Tanger; Woodley 2001; Kehlmaier 2004; Yimlahi et al. 2017, **Rif**, Barrage Moulay Bouchta*Nemotelus (Nemotelus) longirostris* (Wiedemann, 1824)Becker and Stein 1912, 1913, **Rif**, Tanger; Séguy 1930a, **Rif**, Tanger; Duisit 1960, **AP**, Mechra-bel-Ksiri (Gharb), **EM**, Saïdia, Rozkošný 1977; Dakki 1997; Woodley 2001; Yimlahi et al. 2017*Nemotelus (Nemotelus) maculiventris* Bigot, 1861Yimlahi et al. 2017, **Rif**, Oued Zandoula*Nemotelus (Nemotelus) nigrifrons* Loew, 1846Linder 1936; Becker and Stein 1912, **Rif**, Tanger; Rozkošný 1977, **Rif**, Tanger; Woodley 2001; Yimlahi et al. 2017, **Rif**, affluent Tarmast (NPH)*Nemotelus (Nemotelus) pantherinus* (Linnaeus, 1758)Séguy 1930a, **Rif**, Tanger; Duisit 1960, **AP**, Zëar; Rozkošný 1977; Dakki 1997; Woodley 2001; Koçak and Kemal 2010; Üstüner and Hasbenli 2013; Yimlahi et al. 2017*Nemotelus (Nemotelus) proboscideus* Loew, 1846

Linder 1936; Yimlahi et al. 2017

Nemotelus (Nemotelus) subuliginosus Rozkošný, 1974Rozkošný 1977; Woodley 2001, **Rif**, Tanger; Yimlahi et al. 2017*Nemotelus (Nemotelus) ventralis* Meigen, 1830Woodley 2001, **AP**, Essaouira; Yimlahi et al. 2017*Nemotelus (Nemotelus) uliginosus* (Linnaeus, 1767)Duisit 1960, **AP**, Dradek

Pachygastrinae

Pachygaster* Meigen, 1803Pachygaster atra* Panzer, 1798Yimlahi et al. 2017, **Rif**, Dayat Mezzine

Pachygaster maura Lindner, 1939

Lindner 1939; Woodley 2001, **MA**, Tagzirt; Yimlahi et al. 2017

Sarginae

Chloromyia* Duncan, 1837Chloromyia formosa* (Scopoli, 1763)

Becker and Stein 1912, 1913, **Rif**, Tanger; Séguy 1930a, **HA**, M'Rassine; Duisit 1960, **AP**, Rabat, Korifla, Khatouat; Woodley 2001; Pârvu et al. 2006, **AP**, Merja Zerga; Pârvu and Zaharia 2007; Popescu-Mirceni 2011; Yimlahi et al. 2017, **Rif**, Taghbalout, Lac Ametrasse, Douar Kitane

Stratiomyinae

Oxycerini

Oxycera* Meigen, 1803Oxycera germanica* (Szilády, 1932)

= *Hermione drieri* var. *barbarica*, in Vaillant 1956b: 232, 237, 242

Vaillant 1956b, **HA**, Lac Tamhda (Anremer), Tahanaout, Sidi Chamarouch, Aguelmous

Oxycera ochracea (Vaillant, 1950)

= *Hermione ochracea* Vaillant, in Vaillant 1956b: 237, 244

Vaillant 1956b, **HA**, Lac Tamhda (Anremer), Imi-N'Ifri

Oxycera pardalina (Meigen, 1822)

Yimlahi et al. 2017, **Rif**, Oued Abou Bnar (NPT), Oued Maggou, Oued Achekrade, Ruisseau maison forestière (NPT), **MA**, Cascade Aïn Vittel, Mchacha Aïn Vittel

Oxycera rara (Scopoli, 1763)

= *Hermione pulchella* var. *similis* Vaillant, in Vaillant 1956b: 242

Vaillant 1956b, **HA**, Sidi Chamarouch, Imi-N'Ifri

Oxycera terminata Meigen, 1822

Yimlahi et al. 2017, **Rif**, Cascade Chrafate

Oxycera torrentium (Vaillant, 1950)

= *Hermione torrentium* Vaillant, in Vaillant 1956b: 240, 241

Vaillant 1956b, **HA**, Izourar

Oxycera trilineata (Linnaeus, 1767)

= *Hermione bucheti* Séguy, in Séguy 1939: 62

= *Hermione trilineata* var. *algira* Vaillant, in Vaillant 1956b: 244

Becker and Stein 1912, 1913, **Rif**, Tanger; Séguy 1930a; Villeneuve 1933; Vaillant 1956b, **HA**, Imi-N'Ifri; Woodley 2001; Üstüner and Hasbenli 2013; Yimlahi et al. 2017, **Rif**, Dayat Aïn Jdioui

Vanoyia* Villeneuve, 1908Vanoyia tenuicornis* (Macquart, 1834)

Lindner 1936; Woodley 2001, **Rif**, Tanger; Yimlahi et al. 2017

Stratiomyini

Odontomyia* Meigen, 1803Odontomyia alolena* (Séguy, 1930)= *Eulalia alolena* Séguy, in Séguy 1930a: 65Séguy 1930a, **Rif**, Tanger, **EM**, Maharidja, **AP**, Casablanca, **MA**, Aïn Leuh (1400–1500 m); Dakki 1997; Woodley 2001, **Rif**, Tanger, **EM**, Maharidja, **AP**, Casablanca, **MA**, Aïn Leuh; Yimlahi et al. 2017*Odontomyia angulata* (Panzer, 1798)Becker and Stein 1912, 1913, **Rif**, Tanger; Woodley 2001; Koçak and Kemal 2010; Mohammadi and Khaghaninia 2015; Yimlahi et al. 2017*Odontomyia discolor* (Loew, 1846)Becker and Stein 1912, 1913, **Rif**, Tanger; Rozkošný 1982, **Rif**, Tanger; Woodley 2001; Koçak and Kemal 2010; Üstüner and Hasbenli 2013; Yimlahi et al. 2017*Odontomyia flavissima* (Rossi, 1790)= *Hadracantha flavissima nigripes* Pleske, in Pleske 1925: 27, 32; Séguy 1930a: 66= *Eulalia flavissima* Rossi, in Duisit 1960: 121Séguy 1926a; Séguy 1930a; Duisit 1960, **MA**, Boulhaut; Dakki 1997; Woodley 2001; Yimlahi et al. 2017*Odontomyia limbata* (Wiedemann, 1822)= *Eulalia limbata* Wiedemann, in Séguy 1930a: 65Becker and Stein 1912, 1913, **Rif**, Tanger; Séguy 1930a, **Rif**, Tanger, **MA**, Meskedell (1800–1900 m); Dakki 1997; Woodley 2001; Yimlahi et al. 2017, **Rif**, Lac Ametrasse, Aïn Sidi Brahim Ben Arrif, Dayat Afrate, ruisseau maison forestière (NPT), Aïn El Malaâb (NPT), Dayat Rmali El Malaâb (NPT), Dayat Tazia; **Rif** (Tahaddart) – MISR*Odontomyia microcera* (Séguy, 1930)= *Eulalia microcera* Séguy, in Séguy 1930a: 65Séguy 1930a; Dakki 1997; Woodley 2001, **MA**, Meknès (550 m); Yimlahi et al. 2017***Stratiomys* Geoffroy, 1762***Stratiomys cenisia* Meigen, 1822Séguy 1930a, **Rif**, Tanger, **AP**, Rabat, Sidi Bettache, **MA**, Tizi-s'Tkrine (Jebel Ahmar, 1700 m), Meknès, Aïn Sferguila, **HA**, Timhadit; Duisit 1960, **AP**, Maâmora, **MA**, Arhbala (1700 m); Dakki 1997; Woodley 2001; Koçak and Kemal 2010; Mohammadi and Khaghaninia 2015; Yimlahi et al. 2017*Stratiomys longicornis* (Scopoli, 1763)= *Stratiomys (Hirtea) anubis* Wiedemann, in Séguy 1930a: 63Séguy 1930a, **EM**, Itzer (Haute Moulouya), **AP**, Chellah (Rabat), Casablanca, **MA**, Ras el Ksar (1900 m), **HA**, Marrakech; Duisit 1960, **AP**, Rabat, **MA**, Aguelmane Azigza (1800 m); Dakki 1997; Woodley 2001; Barták and Kubik 2005; Koçak and Kemal 2010; Üstüner and Hasbenli 2013; Yimlahi et al. 2017

Tabanoidea

ATHERICIDAE

K. Kettani, M. Mouna

Number of species: **2**. Expected: 2

Faunistic knowledge of the family in Morocco: good

Athericinae

Atherix Meigen, 1803

Atherix amicorum (Thomas, 1985)

= *Ibisia amicorum* Thomas, in Thomas 1985: 89

Thomas 1985, **HA**, Oued Réghaya near Marabout Sidi Chamarouch (Toubkal, 2310 m); Boumezzough and Thomas 1987

Atherix maroccana (Séguy, 1930)

= *Ibisia maroccana* Séguy, in Thomas et al. 1995: 64

Séguy 1930a, **MA**, Oued Tigrigra; Thomas et al. 1995, **MA**, Oued Tigrigra (900 m), Timahdit (1830 m), **HA**, Asif Aït Bou Guemmaz (1900 m); Dakki 1997

RHAGIONIDAE

K. Kettani, M.J. Ebejer

Number of species: **4**. Expected: 7

Faunistic knowledge of the family in Morocco: poor

Rhagioninae

Chrysopilus Macquart, 1826

Chrysopilus asiliformis (Preyssler, 1791)

= *Chrysopilus aureus* (Meigen, 1804), in Séguy 1941a: 29; Dakki 1997: 62

Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m); Dakki 1997

Chrysopilus pullus Loew, 1869

Ebejer et al. 2019, **Rif**, Jebel Lakraâ (NPT, 1377–1541 m), Adrou (PNPB, 556 m)

Chrysopilus splendidus (Meigen, 1820)

Ebejer et al. 2019, **Rif**, Oued Kbir (Béni Ratene, 157 m)

Chrysopilus tsacasi Thomas, 1979

Thomas 1979, **HA**, Jebel Toubkal (Tachdirt, 2500 m); Boumezzough and Thomas 1987, **HA**, Oued Réghaya (Imlil, 1750 m), l'azib Oukaïmeden (2730 m); Dakki 1997; Kerr 2004

TABANIDAE

K. Kettani

Number of species: **69**. Expected: 75

Faunistic knowledge of the family in Morocco: good

Chrysopsinae

Chrysopsini

***Chrysops* Meigen, 1803**

Chrysops caecutiens Linnaeus, 1758

El Haouari and Kettani 2014, **Rif**, Oued Rha, Oued Samsa, Oued Laou (Afer-tane), Oued Jnane Niche, Oued Berranda, Oued Biyada; El Haouari et al. 2014, **HA**, Imi-n'Tadart

Chrysops connexus Loew, 1858

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **MA**, Timhadit, Oued Yquem, Volubilis, Kenitra, Meknès, **Rif**, Tanger; Leclercq 1967; Leclercq and Maldès 1987; Chvála et al. 1972; **SA** (Guelmim) – MISR

Chrysops flavipes Meigen, 1804

= *Heterochrysops perspicillaris* Loew, in Séguy 1930a: 79

= *Chrysops punctifer* Loew, in Séguy 1930a, 79

Séguy 1930a, **AP**, Mogador, **EM**, Haute Moulouya, **MA**, Fès, Volubilis, **AA**, Taroudant; Leclercq 1967, **AA**, Agadir-Tissint (Rocade du Draa); Chvála et al. 1972; Leclercq and Maldès 1987; Kiliç 1999; Müller et al. 2012

Chrysops italicus Meigen, 1804

Chvála et al. 1972; Leclercq and Maldès 1987; Müller et al. 2012

Chrysops mauritanicus Costa, 1893

Séguy 1930a, **AP**, Rabat, Fedhala, Larache, **MA**, Itzer, **HA**, Haute Réghaya; Leclercq 1967, **AP**, Rabat (salt marshes on *Salicornia*); Chvála et al. 1972; Leclercq and Maldès 1987; **AP** (Kénitra) – MISR

Chrysops pallidiventris Kröber, 1922

Séguy 1930a, **AP**, Mogador, **MA**, Fès; Leclercq 1967; Chvála et al. 1972; Leclercq and Maldès 1987; Pape and Thompson 2019

Chrysops relictus Meigen, 1820

Chvála et al. 1972; El Haouari and Kettani 2014, **Rif**, Oued Kbir (Tamuda), Oued Kelaâ (Talembote), Oued Bou Ahmed, Oued Jnane Niche, Oued Berranda, Oued Biyada; El Haouari et al. 2014, **HA**, Imi-n'Tadart, Oulmès, Setti Fatma, Tafza

Chrysops viduatus (Fabricius, 1794)

El Haouari et al. 2014, **HA**, Setti Fatma

***Silvius* Meigen, 1920**

Silvius algirus Meigen, 1830

Séguy 1930a; Leclercq and Maldès 1987; Kiliç 1999

Silvius alpinus (Scopoli, 1763)

= *Silvius vituli* Fabricius, 1805, in Séguy 1930a: 78

Séguy 1930a, **MA**, Meknès, Forêt Zaers; Leclercq and Maldès 1987, **AP**, Rabat, **EM**, Béni Snassen, Haute Moulouya, **MA**, Aïn Leuh

Silvius variegatus (Fabricius, 1805)

= *Diachlorus maroccanus* Bigot, in Surcouf 1921: 143; Séguy 1930a: 78

Surcouf 1921, **Rif**, Tanger; Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **Rif**, Tanger, **AP**, Rabat, **EM**, Haute Moulouya; Leclercq 1960, **Rif**, Tanger, **AP**, Larache, Rabat, Salé **EM**, Haute Moulouya; Leclercq 1967; Leclercq and Maldès 1987; Koçak and Kemal 2013a; **AP** (Rabat, Larache) – MISR

Pangoniinae

Pangoniini

Pangonius* Latreille, 1802Pangonius alluaudi* Séguy, 1930

Séguy 1930a, **MA**, Azrou, Aïn Leuh, Timhadit, Tasrah des Ighrethane, Talzent, Aharmoumou; Leclercq 1967, **MA**, Ifrane; Leclercq and Maldès 1987; **MA** – MISR

Pangonius brevicornis (Kröber, 1921)

Leclercq 1967; Leclercq and Maldès 1987

Pangonius hassani (Leclercq, 1968)

Leclercq 1968, **MA**, Ifrane, Dayat Aoua; Leclercq and Olsufjev 1975; Leclercq and Maldès 1987, **MA**, Sidi Allal El Bahraoui

Pangonius haustellatus (Fabricius, 1781)

= *Pangonius marginata* (Fabricius, 1805), in Séguy 1930a: 74

= *Pangonius aterrima* Dufour 1853, in Séguy 1930a: 74

= *Pangonius funebris* Macquart, 1846, in Séguy 1930a: 74

Séguy 1930a, **MA**, Volubilis, Tizi-s'Tkrine, Aïn Leuh, Azrou, **HA**, Asni; Leclercq 1961b, **MA**, Ifrane; Leclercq 1967, 1968; Chvála and Lyneborg 1970; Leclercq and Maldès 1987, **MA**, Sidi Allal El Bahraoui (forest of *Quercus suber* of Maâmora); Müller et al. 2012; **AP** (Dradek near Rabat, Kénitra), **MA** (wide distribution between Azrou and Ras el Ma), **HA** – MISR

Pangonius mauritanus (Linnaeus, 1767)

= *Pangonius funebris* Fabricius, 1794, in Séguy 1930a: 76

= *Pangonius maculatus* (Fabricius), in Séguy 1953a: 78

Séguy 1930a; Séguy 1953a, **AP**, Cap Ghir; Séguy 1949a, **AA**, Guelmim; Leclercq 1967; Leclercq and Maldès 1987, **MA**, Maamar (800 m); **AP** (Dradek, El Maazi, Mazagan) – MISR

Pangonius micans Meigen, 1820

Leclercq and Maldès 1987

Pangonius powelli Séguy, 1930¹²

= *Pangonius sobradieli* Séguy, 1934e: 21

Séguy 1930a, **MA**, Bekrit, Tizi-s'Tkrine, Soufouloud; Séguy 1934e; Séguy 1949a, **AA**, Guelmim; Leclercq and Maldès 1987

Pangonius raclinae Leclercq, 1960

Leclercq 1960, **HA**, Tifni by Demnate; Leclercq 1967; Leclercq and Maldès 1987; Bisby et al. 2011

Philolichini

Ectinocerella Séguy, 1929

Ectinocerella surcoufi Séguy, 1929

= *Pangonius ectinocerella surcoufi* Séguy, in Séguy 1929a: 100

Séguy 1929a, **MA**, Azrou, Ank El Djemel **AA**, Agadir; Séguy 1930a, **MA**, Azrou, **AA**, Agadir; Leclercq and Maldès 1987, **MA**, From Meknès to Khemisset, near Beth river; Leclercq 1967; **HA** (Tifni) – MISR

Tabaninae

Diachlorini

Dasybasis Macquart, 1847

Dasybasis barbata Coscaron & Philip, 1967

= *Surcoufia barbata* Bigot, 1892, in Séguy 1930a: 78

= *Surcoufia paradoxa* Kröber, 1925, in Séguy 1930a: 78

Séguy 1930a, **Rif**, Tanger

Dasyrhamphis Enderlein, 1922

Dasyrhamphis algirus (Macquart, 1838)

= *Atylotus algirus* Auct, in Séguy 1930a: 82

Séguy 1930a, **AP**, Dradek, **EM**, Oujda, **HA**, Talouet Glaoua; Chvála et al. 1972; Leclercq and Maldès 1987; **AP** (Sibara) – MISR

Dasyrhamphis anthracinus (Meigen, 1820)

= *Atylotus anthracinus* Surcouf, 1924, in Séguy 1930a: 82

Séguy 1930a, **AP**, Rabat, Sidi Bettache, **MA**, M'Rirt, Aïn Sferguila, Volubilis

Dasyrhamphis ater (Rossi, 1790)

= *Tabanus ater* (Rossi, 1790), in Becker and Stein 1913: 77

= *Atylotus ater* Barotte, 1926, in Séguy 1930a: 82

= *Dasyrhamphis ater* (Rossi, 1790), in Leclercq and Maldès 1987: 80

¹² *Pangonius sobradieli*, said to be known from Morocco, was considered to be the same species as *P. powelli* by Chvála et al. (1972: 90).

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **MA**; Leclercq 1967, **MA**, Ifrane; Leclercq and Maldès 1987, **HA**, Jebel Tazzeka, Bab Ahzar (1200 m), Idni (1700 m); **MA**
– MISR

Dasyrhamphis tomentosus (Macquart, 1846)

= *Atylotus tomentosus* Macquart, in Séguy 1930a: 84

Séguy 1930a, **AP**, Rabat, Oued Cherrat, **MA**, Azrou, El Hajeb, Meknès, Aïn Leuh, Tizi-S'Tkrine, Forêt Tiffert, Talzent, Tazarine, Meskedall; Séguy 1949a, **AA**, Guelmim; Leclercq and Maldès 1987

Dasyrhamphis villosus (Macquart, 1838)

= *Atylotus villosus* Macquart, 1838, in Séguy 1930a: 84

Séguy 1930a, **MA**, Tameghilt; Leclercq 1967; Leclercq and Maldès 1987; **MA**
– MISR

Dasyrhamphis nigritus (Fabricius, 1794)

= *Therioplectes alexandrinus* Wiedemann, 1830, in Séguy 1930a: 83

Séguy 1930a, **MA**, Aïn Leuh, El Hajeb, M'Rirt, Dar M'Tougui, Dar Kaid M'Tougui, **EM**, Oujda; Leclercq and Maldès 1987

Haematopotini

***Haematopota* Meigen, 1803**

Haematopota algira Kröber, 1922

Séguy 1930a; Leclercq 1961b, **MA**, Dayat Aoua; Leclercq 1967; Leclercq 1968, **MA**, Bab Ferrich, Dayat Aoua; Leclercq and Maldès 1987

Haematopota benoisti Séguy, 1930

Séguy 1930a, **AP**, Rabat, **MA**, M'Rirt; Leclercq 1967; Leclercq and Maldès 1987; Pape and Thompson 2019

Haematopota bigoti Gobert, 1880

Séguy 1930a, **MA**, Volubilis; Séguy 1926a; Leclercq 1961b, **MA**, Dayat Aoua; Leclercq 1967; **MA** (Ifrane) – MISR

Haematopota crassicornis Wahlberg, 1848

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a

Haematopota fuscicornis Becker, 1914

= *Chrysozona fuscicornis* Povolny, in Becker and Stein 1913: 78

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a (*sic! fusicornis*), **MA**, Fès; Chvála et al. 1972; Leclercq and Maldès 1987

Haematopota grandis Meigen, 1820

Leclercq 1967, **AP**, Kénitra; Chvála et al. 1972; Leclercq and Maldès 1987

Haematopota italica Meigen, 1804

= *Haematopota tenuicornis* Macquart, 1834, in Séguy 1930a: 81

= *Haematopota longicornis* Macquart, 1834, in Séguy 1930a: 81

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a; Chvála et al. 1972

Haematopota lambi Villeneuve, 1921

Leclercq 1961b, **MA**, Dayat Aoua; Leclercq 1967, 1968; Leclercq and Maldès 1987

Haematopota ocelligera (Kröber, 1922)

Leclercq 1961b, **MA**, Dayat Aoua (on a horse); Leclercq 1967, **AP**, Sidi Yahia du Gharb (on *Juncus acutus*); Leclercq 1968, **MA**, Azrou; Leclercq and Maldès 1987

Haematopota pluvialis (Linnaeus, 1758)

Becker and Stein 1913, **Rif**, Tanger; Leclercq and Maldès 1987; El Haouari and Kettani 2014, **Rif**, Oued Rha, marshes of Smir, Oued Kbir (Tamuda), Oued Moukhata (Boujdad), Oued Azla (Mokdassen Oulya), Oued Moulay Bouchta, Oued Jnane Niche, Oued Koudiat Shiba; El Haouari et al. 2014, **HA**, Oulmès, Tafza

Haematopota pseudolusitanica Szilády, 1923

= *Chrysozona lusitanica* Guérin, 1835, in Séguy 1930a: 81

Séguy 1930a, **MA**, M'Rirt, Sebou; Leclercq 1967, **MA**, Sebou

Haematopota subcylindrica Pandellé, 1888

Leclercq 1967, **AP**, Sidi Yahia du Gharb; El Haouari and Kettani 2014, **Rif**, Oued Rha, Oued Boumarouil, Oued Jnane Niche; El Haouari et al. 2014, **HA**, Tafza

Heptatoma* Meigen, 1803Heptatoma pellucens* (Fabricius, 1779)

El Haouari and Kettani 2014, **Rif**, Oued Rha, Oued Achiar (Bounezzal), Oued Azla (Mokdassen Oulya), Oued Azla (Mokdassen soufla), Oued Imsa (Centre Imsa), bog of Amsemlil, Oued Ouara (Khizana), Oued Boumarouil, Oued Laou (Siflaou), Oued Talembote, Oued Laou (Afertane), Oued Tizharine, Oued Bouhya (Kantar), Bab Tariouant, Oued Taysra (Ketama), Oued Srâ (Ketama); El Haouari et al. 2014, **HA**, Imi-n'Tadart, Oulmès

Tabanini

Atylotus* Osten-Sacken, 1876Atylotus agrestis* (Wiedemann, 1828)

Ovazza et al. 1968; Pape and Thompson 2019

Atylotus agricola Wiedemann, 1828

= *Tabanus agricola* var. *Kröberi* Surcouf, in Séguy 1953a: 78

Séguy 1953a, **SA**, entre Tagounit et Zegdou

Atylotus fulvus (Meigen, 1804)

Leclercq 1961b, **MA**, Aïn Leuh, Bordj Doumergue; Leclercq 1967, **Rif**, Ketama; Chvála et al. 1972; Leclercq and Maldès 1987; Barták and Kubik 2005

Atylotus latistriatus (Brauer, 1880)

= *Dasystipia nigrifacies* Gobert, 1881, in Séguy 1930a: 84

Séguy 1930a, **MA**, Aïn Leuh; Chvála et al. 1972; Kiliç 1999

Atylotus loewianus (Villeneuve, 1920)

Leclercq 1967, **MA**, Aguelmane Azigza (marshy meadow), Aguelmane de Sidi Ali Leclercq 1968; Chvála et al. 1972

Atylotus pulchellus Loew, 1858

Becker and Stein 1913 **Rif**, Tanger; Chvála et al. 1972

Atylotus quadrifarius (Loew, 1874)

Chvála et al. 1972; Müller et al. 2011

Atylotus sublunaticornis (Zetterstedt, 1842)

El Haouari and Kettani 2014, **Rif**, Oued Rha, Oued Kbir (Koudiat Krikra), Oued Martil, Oued Khizana, Oued Laou (Ifansa), Oued Bou Ahmed, Oued Biyada; El Haouari et al. 2014, **HA**, Imi-n'Tadart, Oulmès

Hybomitra* Enderlein, 1922Hybomitra arpad* Szilády 1923

El Haouari et al. 2014, **HA**, Oulmès

Hybomitra bimaculata Macquart, 1826

Ježek 1995; El Haouari and Kettani 2014, **Rif**, Oued Rha, marshes of Lemtahane (PNPB), Oued Raouz, Oued Zarka, Oued Mokhlata (Boujdad), Oued Amsa (Er-Rifiyine), bog of Amsemlil, Oued Talembote (Talembote), Oued Jnane Niche, Oued Biyada, Oued Aârkob, Oued Sidi Yahia Aârab; El Haouari et al. 2014, **HA**, Oulmès

Hybomitra distinguenda (Verrall, 1909)

Ježek et al. 2012; El Haouari et al. 2014, **HA**, Imi-n'Tadart

Hybomitra vittata (Fabricius, 1794)

= *Straba vittata* Fabricius, 1794, in Séguy 1930a: 83

= *Tabanus spectabilis* Loew, 1858, in Séguy 1930a: 83

Séguy 1930a, **Rif**, Tanger **AP**, Maâmora, Rabat, Casablanca, **MA**, Oued Yquem, M'Rirt; Chvála and Lyneborg 1970, **Rif**, Tanger, **EM**, Haute Moulouya; Leclercq and Maldès 1987

Tabanus* Linnaeus, 1758Tabanus autumnalis* Linnaeus, 1761

= *Straba autumnalis* Linnaeus, 1761, in Séguy 1930a: 82

= *Straba automnalis* var. *brunnescens* Szilády, 1941, in Séguy 1930a: 82

= *Straba automnalis* var. *molestans* Becker, 1914, in Séguy 1930a: 83

Loew 1860; Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **AP**, Rabat, **EM**, Béni Snassen, Itzer (Haute Moulouya), **MA**, Aïn Leuh; Séguy 1953a, **HA**, Ksar-es-Souk; Leclercq 1961b, **MA**, Dayat Aoua, Aïn Leuh, Immouzer Kander; Leclercq 1967, **AP**, Kénitra (on *Mimosa* grove), Gharb (Sidi Yahia, Sidi Allal Tazi), **MA**, Adjir by Khenifra (on livestock), Leclercq 1968, **MA**, Dayat Aoua; Leclercq and Maldès 1987, **HA**, edges near river Tessaout, Kelaâ des Sraghna; Pârvu et al. 2006, **AP**, Merja Zerga, **MA**, Kasba Tadla; El Haouari et al. 2014, **HA**, Setti Fatma; **MA** (Allal Tazi) – MISR

Tabanus barbarus Coquebert, 1804

Becker and Stein 1913, **Rif**, Tanger; Leclercq 1961b **Rif**, Azib de Ketama; Chvála and Lyneborg 1970, **Rif**, Tanger; Portillo 1982; Leclercq and

- Maldès 1987, **MA**, marshes around Kasba Tadla; Popescu-Mirceni 2011, **AP**, Merja Zerga
- Tabanus bifarius* Loew, 1858
 = *Atylotus bifarius* Loew, 1858, in Séguy 1930a: 83
 Séguy 1930a, **EM**, Haute Moulouya
- Tabanus bovinus* Linnaeus, 1758
 Loew 1860; Séguy 1930a; Leclercq 1967; Portillo 1982; Leclercq and Maldès 1987; Barták and Kubik 2005, **MA**, M'Rirt; El Haouari and Kettani 2014, **Rif**, Oued Khemis (Khemis Anjra), Oued Kelaâ (Akchour)
- Tabanus bromius* Linnaeus, 1758
 = *Straba bromius* Linnaeus, 1758, in Séguy 1930a: 83
 Loew 1860; Séguy 1930a, **EM**, Haute Moulouya, **MA**, Aïn Leuh, Ras El Ksar; Leclercq 1961b, **Rif**, Azib de Ketama, **MA**, Ifrane, Immouzer, Azrou, Bordj Doumergue, Dayat Aoua, Aïn Leuh; Leclercq 1967, **MA**, Immouzer des Marmoucha, Adjir by Khenifra; Leclercq 1968, **Rif**, Ketama, **MA**, Bab-Bou-Idir, Bab Ferrich, Ifrane, Col du Zad; Pernot-Visentin and Beaucournu-Saguez 1974, **Rif**; Leclercq and Maldès 1987; El Haouari and Kettani 2014, **Rif**, Oued Samsa, Oued Raouz, Oued Zarka, Oued Khemis (Khemis Anjra), Oued Azla (Mokdassen Oulya), Oued Kelaâ (Akchour), Oued Laou (Sifalaou), Oued Jnane Niche, Oued Berranda; El Haouari et al. 2014, **HA**, Oulmès; **AA** (Errachidia) – MISR
- Tabanus choumarae* Leclercq, 1967
 Leclercq 1967, **AA**, Aouinet Torkoz (down Draa); Leclercq and Olsufjev 1975; Leclercq and Maldès 1987; Pârvu et al. 2006, **AA**, Ouarzazate
- Tabanus cordiger* Meigen, 1820
 Leclercq 1961b, **MA**, Bordj Doumergue, Dayat Aoua; Leclercq 1967, **Rif**, Had el Rouadi, **MA**, Arbala par Ksiba, Boulemane, **AA**, Agadir-Tissint (Rocade du Draa), Akka; Leclercq 1968, **Rif**, Ketama, **MA**, Bab Termas, Taza, Doniet; Leclercq 1986; Leclercq and Maldès 1987, **AA**, Tinmal, edges of Draa river, Agdz, Ourika near Ouarzazate; Barták and Kubik 2005; Müller et al. 2011; Popescu-Mirceni 2011, **HA**, Ouarzazate; El Haouari and Kettani 2014, **Rif**, Oued Berranda; El Haouari et al. 2014, **Rif**, Oued Oueghra
- Tabanus darimonti* Leclercq, 1964
 Leclercq 1967, **MA**, Aïn Leuh; Leclercq 1968, **MA**, Bab Boudir, forêt Bab-Azhar, Immouzer Kander; Portillo 1982; Leclercq and Maldès 1987; Mikuška et al. 2008
- Tabanus eggeri* Schiner, 1868
 = *Tabanus intermedius* Egger, 1859, in Séguy 1930a: 83
 Séguy 1930a, **MA**, M'Rirt; Leclercq 1968, **Rif**, M'Diq, **MA**, Bab Boudir, El Hajeb, Azrou, Miscliffen; Portillo 1982; Leclercq and Maldès 1987; Mikuška et al. 2008
- Tabanus leleani* Austen, 1920
 = *Atylotus leleani* Austen, 1920, in Séguy 1930a: 84
 Séguy 1930a, **HA**, upstream of Réghaya; Leclercq 1967; Leclercq and Maldès 1987; **MA** – MISR

Tabanus lunatus Fabricius, 1794

= *Atylotus lunatus* Fabricius, 1974, in Séguy 1930a: 84

Séguy 1930a, **EM**, Haute Moulouya, **MA**, Meknès; Leclercq 1961b, **MA**, Ifrane, Immouzer, Bordj Doumergue, Dayat Aoua, Aïn Leuh; Leclercq 1967, **EM**, Haute Moulouya, **MA**, Ajdir by Khenifra (on livestock); Leclercq 1968, **Rif**, Ketama, **MA**, Bab Boudier, Immouzer Kander, El Hajeb, Mishliffen, Jebel Hebri; Portillo 1982; Leclercq and Maldès 1987, **MA**, Afourer (800 m) – MISR

Tabanus maculicornis Zetterstedt, 1842

El Haouari and Kettani 2014, **Rif**, Oued Rha, marshes of Lemtahane, Oued Boumarouil, Oued Laou (Dardara), Oued Kanar, Oued Jnane Niche; El Haouari et al. 2014, **HA**, Imi-n'Tadart, Oulmès, Tafza

Tabanus miki Brauer, 1880

El Haouari and Kettani 2014, **Rif**, Oued Khemis, Oued Boumarouil, Oued Berranda, Oued Biyada; El Haouari et al. 2014, **HA**, Setti Fatma

Tabanus nemoralis Meigen, 1820

Leclercq 1968, **Rif**, Ketama; Portillo 1982; Leclercq and Maldès 1987

Tabanus quatuornotatus Meigen, 1820

Portillo 1982; Leclercq and Maldès 1987; Koçak and Kemal 2010; Müller et al. 2011; El Haouari and Kettani 2014, **Rif**, Oued Maggou, Oued Ouara (Khizana); El Haouari et al. 2014, **HA**, Setti Fatma; **Rif** (Talassemthane) – MISR

Tabanus sudeticus Zeller, 1842

Leclercq 1967; Portillo 1982; Leclercq and Maldès 1987; Gioia Martins-Neto 2003

Tabanus tinctus Walker, 1850

Leclercq 1961b, **MA**, forêt Bab Azhar, Aïn Leuh; Pernot-Visentin and Beaucournu-Saguez 1974, **MA**, **HA** (2300 m); Portillo 1982; Leclercq and Maldès 1987; **MA** (Azrou) – MISR

VERMILEONIDAE

K. Kettani, M.J. Ebejer

Number of species: **6**. Expected: 6

Faunistic knowledge of the family in Morocco: good

Vermileoninae

***Lampromyia* Macquart, 1835**

Lampromyia cylindrica (Fabricius, 1794)

Stuckenberg 1998, **HA**

Lampromyia lecerfi Séguy, 1928

= *Lampromyia Le Cerfi* Séguy, in Séguy 1928a: 45

Séguy 1928a, **HA**, Tinmel (Goundafa), Asni; Stuckenberg 1998, **HA**; Kirk-Spriggs and McGregor 2009; Kehlmaier 2014, **HA**; **AP** (Tamri) – MHNN

Lampromyia nigripennis Séguy, 1930

Séguy 1930a, **EM**, Berkane, grove in Tlet n'Rhoir; Stuckenberg 1998, **MA**; Kirk-Spriggs and McGregor 2009; Kehlmaier 2014, **MA**, south of Azrou (1500 m), **HA**

Lampromyia pallida Macquart, 1835

Stuckenberg 1998, **HA**

Vermileo Macquart, 1834*Vermileo vermileo* (Linnaeus, 1758)¹³

= *Vermileo degeeri* Macquart 1834, in Séguy 1953a: 78

Séguy 1953a, **AP**, Rabat

Vermileo nigriventris Strobl, 1906

Ebejer et al. 2019, **Rif**, Cap Spartel (Tanger, 15 m), Anissar (PNPB, 987 m)

Nemestrinoidea**ACROCERIDAE**

K. Kettani, E.P. Nartshuk

Number of species: **13**. Expected: 25

Faunistic knowledge of the family in Morocco: poor

Acrocerinae

Acrocera Meigen, 1803*Acrocera orbicula* (Fabricius, 1787)

Weinberg and Bächli 2002, **HA**, Marrakech, Ouirgane (1000 m)

Cyrtus Latreille, 1796*Cyrtus gibbus* (Fabricius, 1794)

Becker and Stein 1913, **Rif**, Tanger; Séguy 1926, **Rif**; Pleske 1930, **Rif**, Tanger; Schlinger 1972; Mouna 1998

Cyrtus maroccanus Séguy, 1930

Schlinger 1972, **Rif**; Mouna 1998

Cyrtus pallidus Gil Collado, 1929

Gil Collado 1929b, **Rif**, Tanger; Schlinger 1972; Mouna 1998

Cyrtus pusillus Macquart, 1834

Pleske 1930, **Rif**, Tanger; Schlinger 1972, **Rif**, Tanger; Mouna 1998

Ogcodes Latreille, 1797*Ogcodes zonatus* (Erichson, 1840)

Becker and Stein 1913, **Rif**, Tanger; Séguy 1926; Pleske 1930

¹³ *Vermileo vermileo* (Linnaeus, 1758) is a species complex currently undergoing revision (Kehlmaier pers. comm.); additionally, *V. vermileo* is possibly not a species that occurs in Morocco.

Opsebius* Costa, 1856Opsebius cyrtus* Séguy, 1930Mouna 1998; **HA** (Lac Ifni) – MISR*Opsebius formosus* Loew, 1871Becker and Stein 1913, **Rif**, Tanger*Opsebius inclinatus* Séguy, 1930

Mouna 1998

Opsebius inflatus (Loew, 1857)Weinberg and Bächli 2002, **MA**, Azrou, Timahdit Ighboula (1850 m), **HA**, Marrakech, Ouirgane (1000 m)*Opsebius pepo* Loew, 1870Pleske 1930, **Rif**, Tanger

Panopinae

Astomella* Latreille, 1809Astomella hispaniae* Lamarck, 1816Gil Collado 1929b, **AP**, Mogador; Mouna 1998***Physegastrella* Brunetti, 1926***Physegastrella maroccana* Brunetti, 1926

Brunetti 1926; Pleske 1930; Mouna 1998

NEMESTRINIDAE

K. Kettani, D. Barraclough

Number of species: **13**

Faunistic knowledge of the family in Morocco: poor

Nemestrininae

Nemestrinus* Latreille, 1802Nemestrinus aegyptiacus* (Wiedemann, 1828)Timon-David 1951; Séguy 1953a, **HA**, Amsed; Bernardi 1973; Mouna 1998; **SA** (Oued el Ma) – MISR*Nemestrinus ater* (Olivier, 1810)Mouna 1998; **EM** (Zaouillet El Atenf) – MISR*Nemestrinus escalerae* Arias, 1913Paramonow 1945; Bernardi 1973, **HA**, Marrakech; Mouna 1998*Nemestrinus exalbidus* (Lichtwardt, 1907)

Mouna 1998

Nemestrinus fasciatus (Olivier, 1810)= *Rhynchocephalus fasciatus* Olivier, in Mouna 1998: 86Bernardi 1973; Mouna 1998; **MA** (Immouzer) – MISR

Nemestrinus nigrovillosus Lichtwardt, 1909

Arias 1913; Séguy 1930a, **MA**, Ras el Ma, Azrou, Forêt Tiffert (2000–2200 m), **HA**, Tizi-n'Test, Jebel Imdress (2000–2450 m), Goundafa; Séguy 1941d, **HA**, Tizi-n'Test; Timon-David 1951, **MA**, Tizi-n'Tretten; Bernardi 1973; Mouna 1998

Nemestrinus pieltaini (Gil Collado, 1934)

= *Nemestrellus pieltaini* Gil Collado, in Gil Collado 1934: 325

Gil Collado 1934, **Rif**, Imasinen, Bab Chiquer, Bab Bagla; Bernardi 1973; Mouna 1998

Nemestrinus ruficornis (Macquart, 1840)

Mouna 1998

Nemestrinus rufipes (Olivier, 1810)

Mouna 1998; **MA** (Timahdit) – MISR

Nemestrinus striatus (Lichtwardt, 1907)

Mouna 1998

Trichopsidaeinae

Fallenia* Meigen, 1820Fallenia fasciata* (Fabricius, 1805)

Arias 1913; Séguy 1930a, **AP**, Casablanca, Rabat, Bou Knadel, **MA**, M'Rirt (1200 m); Timon-David 1951, **AP**, Forêt Maâmora; Mouna 1998; **AP** (Rabat, Bou Knadel), **MA** (Aïn Leuh) – MISR

Neorhynchocephalus* Lichtwardt, 1909Neorhynchocephalus tauscheri* (Fisher, 1812)

= *Rhynchocephalus tauscheri* Fischer, in Mouna 1998: 86

Mouna 1998

Trichopsidea* Westwood, 1839Trichopsidea costata* (Loew, 1857)

= *Symmictus costatus* Loew, in Arias 1913: 26, Séguy 1930a: 89

Arias 1913; Séguy 1930a, **MA**, Tameghilt (1900 m); Mouna 1998

Asiloidea

ASILIDAE

K. Kettani, G. Tomasovic

Number of species: **131**. Expected: 230

Faunistic knowledge of the family in Morocco: moderate

Apocleinae

Apoclea* Macquart, 1838Apoclea algira* (Linnaeus, 1767)

Séguy 1953a, **AA**, Tata; Tomasovic 1997; Mouna 1998; Geller-Grimm 2007; Koçak and Kemal 2010; El Hawagry 2011; Ghahari et al. 2014

Apoclea micracantha Loew, 1856

Tomasovic 1997, **HA**, Sidi Mhejmed Ou Said; Geller-Grimm 2007; Koçak and Kemal 2010; El Hawagry 2011; Ghahari et al. 2014

***Eremonotus* Theodor, 1980**

Eremonotus hauseri Geller-Grimm & Hradský, 1998

Geller-Grimm and Hradský 1998, **HA**; Geller-Grimm 2007, **AA**, Agadir

Asilinae

***Afroepitriptus* Lehr, 1992**

Afroepitriptus beckeri Lehr, 1992

Geller-Grimm 2007; Koçak and Kemal 2010

***Antiphrisson* Loew, 1849**

Antiphrisson trifarius Loew, 1849

Tomasovic 1997, **HA**, Errachidia, Ziz, Oasis Zouala; Geller-Grimm 2007; Koçak and Kemal 2010; El Hawagry 2011; Ghahari et al. 2014; **HA** (Asni) – MISR

***Asilus* Linnaeus, 1758**

Asilus barbarus Linnaeus, 1758

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a; Séguy 1941a, **HA**, Tizi-Tamatert (Toubkal, 2250 m); Mouna 1998; Weinberg and Blasco-Zumeta 2004; Geller-Grimm 2007; Koçak and Kemal 2010; Ghahari et al. 2014

Asilus crabroniformis Linnaeus, 1758

Geller-Grimm 2007; Hayat et al. 2008; Koçak and Kemal 2010; Ghahari et al. 2014

Asilus tingitanus Boisduval, 1835

Geller-Grimm 2007, **Rif**, Tanger

***Dysmachus* Loew, 1860**

Dysmachus albisetosus (Macquart, 1850)

Geller-Grimm 2007

Dysmachus cochleatus (Loew, 1854)

Becker and Stein 1913, **Rif**, Tanger; Geller-Grimm 2007

Dysmachus cristatus (Wiedemann, 1820)

= *Dysmachus dasynotus* Loew, in Becker and Stein 1913: 72, Timon-David 1951: 138
Becker and Stein 1913, **Rif**, Tanger; Timon-David 1951, **AP**, Rabat, Harcha, Salé, Oued Ksab, **MA**, Ifrane; Mouna 1998; Geller-Grimm 2007; **AP** (Rabat, Cap Cantia) – MISR

Dysmachus digitulus Becker, 1923

Geller-Grimm 2007

Dysmachus elapsus Villeneuve, 1933

Villeneuve 1933, **AP**, Mazagan, Mogador; Mouna 1998; Tomasovic 2001b; Geller-Grimm 2007; **AP** (Cap Cantia) – MISR

Dysmachus evanescens Villeneuve, 1912

Timon-David 1951, **AP**, Sehoul; Mouna 1998; Geller-Grimm 2007

Dysmachus trigonus (Meigen, 1804)

Timon-David 1951, **AP**, Rabat, Chellah, Forêt Maâmora, Ras el Arba, Sehoul, Zaër

***Eccoptopus* Loew, 1860**

Eccoptopus longitarsis (Macquart, 1838)

Timon-David 1951, **AA**, Zagora; Mouna 1998; Geller-Grimm 2007; Hayat et al. 2008; Koçak and Kemal 2010; El Hawagry 2011; Ghahari et al. 2014

***Engelepogon* Lehr, 1992**

Engelepogon brunnipes (Fabricius, 1794)

= *Heligmoneura brunnipes* Fabricius, in Séguy 1930a: 125

= *Acanthopleura brunnipes* Fabricius, in Timon-David 1951: 137

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **MA**, Meknès; Timon-David 1951, **MA**, Meknès; Mouna 1998; Geller-Grimm 2007; Koçak and Kemal 2010; Ghahari et al. 2014

***Epitriptus* Loew, 1849**

Epitriptus cingulatus (Fabricius, 1871)

Séguy 1941a, **AA**, Agadir; Mouna 1998

***Eremisca* Hull, 1962**

Eremisca heleni heleni (Eflatoun, 1934)

Geller-Grimm 2007; Hayat et al. 2008; Koçak and Kemal 2010; El Hawagry 2011; Ghahari et al. 2014

Eremisca osiris (Wiedemann, 1828)

Geller-Grimm 2007; El Hawagry 2011

***Eutolmus* Loew, 1848**

Eutolmus wahisi Tomasovic, 2001

Tomasovic 2001a, **Rif**, Tétouan (Jebel Tazout, 1650 m); Geller-Grimm 2007; Koçak and Kemal 2010

***Filiolus* Lehr, 1967**

Filiolus apicalis (Becker in Becker & Stein, 1913)

= *Eutolmus apicalis* Becker, in Becker and Stein 1913: 75

Becker and Stein 1913, **Rif**, Tanger; Geller-Grimm 2007

***Machimus* Loew, 1849**

Machimus cribratus (Loew, 1849)

Geller-Grimm 2007; **AP** (Cap Cantia) – MISR

Machimus fimbriatus (Meigen, 1804)

Geller-Grimm 2007

Machimus fortis (Loew, 1849)

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **AP**, Rabat; Mouna 1998; Geller-Grimm 2007

Machimus gonatistes (Zeller, 1840)

Geller-Grimm 2007

Machimus mauritanicus Bequaert, 1964

Tomasovic 2003; Geller-Grimm 2007; **AP** (Forêt Boulhaut, Salé) – MISR

Machimus nigrosetosus Séguy, 1941

Séguy 1941d **AA**, Agadir; Mouna 1998; Geller-Grimm 2007

Machimus perplexus Becker, 1915

Geller-Grimm 2007

Machimus pilipes (Meigen, 1820)

= *Eutolmus hispanus* Loew, in Becker and Stein 1913: 74

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **MA**, Forêt Zaers, Tizi-n'Bouftene (2300 m), **HA**, bords de l'Imminen (Tachdirt: 2400–2600 m); Geller-Grimm 2007

Machimus pseudogonatistes Villeneuve, 1930

= *Machimus ermineus* Becker, in Mouna 1998: 84

Villeneuve 1933; Mouna 1998; Geller-Grimm 2007

***Neopitriptus* Lehr, 1992**

Neopitriptus inconstans (Wiedemann in Meigen, 1820)

= *Machimus micropyga* Becker, in Becker and Stein 1913: 74

Becker and Stein 1913, **Rif**, Tanger; Mouna 1998; Geller-Grimm 2007; El Hawagry 2011, **Rif**, Tanger

Neopitriptus minusculus (Bezzi, 1898)

= *Machimus minusculus* Bezzi, in Timon-David 1951: 138, Mouna 1998: 84

Timon-David 1951, **MA**, Ifrane; Mouna 1998; Geller-Grimm 2007

***Neomochtherus* Osten-Sacken, 1878**

Neomochtherus brevipennis Séguy, 1932

Mouna 1998; Geller-Grimm 2007; Koçak and Kemal 2010

Neomochtherus grandicollis (Becker, 1914)

Becker and Stein 1913, **Rif**, Tanger; Geller-Grimm 2007

Neomochtherus ochriventris (Loew, 1854)

Timon-David 1951, **AP**, Sidi Moussa el Harati; Mouna 1998; Geller-Grimm 2007; Koçak and Kemal 2010

***Pashtshenkoa* Lehr, 1995**

Pashtshenkoa clypeatus maroccanus (Tsacas, 1968)

Geller-Grimm 2007

***Phileris* Tsacas & Weinberg, 1976**

Phileris haplopygus Tsacas & Weinberg, 1976

Geller-Grimm 2007

Phileris pilosus Tsacas & Weinberg, 1976

Geller-Grimm 2007

***Satanas* Jacobson, 1908**

Satanas gigas (Eversmann, 1855)

Maldès 2000, **ME**, Oujda, **HA**, Errachidia, Meski

Turka* Özdikmen, 2008Turka cervinus* (Loew, 1856)= *Stenopogon cervinus* Loew, in Séguy 1930a: 122Séguy 1930a, **MA**, pont de l'Oued Korifla (Zaers), **HA**, Sidi Bou Rziguine; Geller-Grimm 2007; Hayat et al. 2008; Özdikmen 2008; Koçak and Kemal 2010; El Hawagry 2011; Ghahari et al. 2014

Dasypogoninae

Dasypogon* Meigen, 1803Dasypogon atratus* (Fabricius, 1794)= *Selidopogon atratus* Meigen, in Séguy 1930a: 118= *Selidopogon atratus* Fabricius, in Timon-David 1951: 136Séguy 1930a, **MA**; Timon-David 1951, **Rif**, Ouezzane, **AP**, Rabat **MA**, Oued Beth; Mouna 1998; Geller-Grimm 2007*Dasypogon auripilus* (Séguy, 1934)Mouna 1998; Geller-Grimm 2007; **AP** (Casablanca) – MISR*Dasypogon crassus* Macquart in Lucas, 1849= *Selidopogon crassus* Macquart, in Séguy 1930a: 119, Timon-David 1951: 136Séguy 1930a, **Rif**, Tanger, **MA**, Meknès; Timon-David 1951, **AP**, M'Soun, Guerrouaou; Mouna 1998; Geller-Grimm 2007*Dasypogon diadema* (Fabricius, 1781)= *Selidopogon cylindricus* Fabricius, in Séguy 1930a: 119= *Selidopogon diadema* Fabricius, in Séguy 1930a: 118= *Selidopogon sicanus* Costa, 1853, in Hayat et al. 2008: 183Séguy 1930a, **AP**, Dar Salem, Tarfaya, Oued Korifla (Zaers), **HA**, Bou Tazzert; Timon-David 1951, **AP**, Port Lyautey; Mouna 1998; Geller-Grimm 2007; Hayat et al. 2008; Koçak and Kemal 2010; Ghahari et al. 2014*Dasypogon gougeleti* (Bigot, 1878)= *Selidopogon gougeleti* Bigot, in Timon-David 1951: 136Becker and Stein 1913, **Rif**, Tanger; Timon-David 1951, **AP**, Oued Korifla; Mouna 1998; Geller-Grimm 2007*Dasypogon olcesci* (Bigot, 1878)Becker and Stein 1913, **Rif**, Tanger; Geller-Grimm 2007*Dasypogon rubinipes* (Becker in Becker & Stein, 1913)Becker and Stein 1913, **Rif**, Tanger; Geller-Grimm 2007*Dasypogon ruficauda* (Fabricius, 1805)

Geller-Grimm 2007

Saropogon* Loew, 1847Saropogon aretalogus* Séguy, 1953Séguy 1953a, **MA**, Ifrane; Geller-Grimm 2007

Saropogon aurifrons (Macquart in Lucas, 1850)

Timon-David 1951, **AP**, Zaers; Mouna 1998; Geller-Grimm 2007; El Hawagry 2011

Saropogon clausus Becker, 1906

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **EM**, Itzer, Moulay Aïn Djemine (Haute Moulouya); Timon-David 1951, **AP**, Zaers; Mouna 1998; Geller-Grimm 2007; Koçak and Kemal 2010; Ghahari et al. 2014

Saropogon jugulum (Loew, 1847)

Timon-David 1951, **AP**, Zaers; Mouna 1998; Geller-Grimm 2007; Hayat et al. 2008; Koçak and Kemal 2010; El Hawagry 2011; Ghahari et al. 2014

Saropogon leucocephalus (Meigen, 1820)

Séguy 1930a, **MA**, Forêt Tiffert (2000–2200 m); Mouna 1998; Geller-Grimm 2007; El Hawagry 2011; Ghahari et al. 2014

Saropogon maroccanus Séguy, 1930

Séguy 1930a, **MA**, Ras El Ksar (1900 m); Séguy 1949a, **SA**, Goulimine; Mouna 1998; Carles-Tolrá 2002; Geller-Grimm 2007

Saropogon obscuripennis (Macquart in Lucas, 1849)

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **AP**, Rabat, **MA**, Aïn Leuh, Tizi-s'Tkrine (1700 m), **HA**, Imi-M'Tanout, Dar M'Tougui; Séguy 1941d, **AA**, Agadir; Timon-David 1951, **EM**, Guenfouda; Mouna 1998; Geller-Grimm 2007

Saropogon philocalus Séguy, 1941

Séguy 1941d, **AA**, Agadir; Mouna 1998; Geller-Grimm 2007

Saropogon rufipes (Gimmerthal, 1847)

Becker and Stein 1913, **Rif**, Tanger; Geller-Grimm 2007

Saropogon tassilaensis Séguy, 1953

Séguy 1953a, **AA**, Tassila (Souss); Geller-Grimm 2007

Dioctriinae

Dioctria* Meigen, 1803Dioctria atrorubens* Séguy, 1930

Séguy 1930a, **MA**, Tizi-s'Tkrine (1700 m); Villeneuve 1933; Mouna 1998; Geller-Grimm 2007

Dioctria cothurnata Meigen, 1820

Ebejer et al. 2019, **Rif**, Dardara (484 m)

Dioctria fuscipes Macquart, 1834

Timon-David 1951, **MA**, Aguelmane Sidi Ali (2070 m)

Dioctria gagates Wiedemann in Meigen, 1820

Becker and Stein 1913, **Rif**, Tanger; Geller-Grimm 2007

Dioctria notha Séguy, 1941

Séguy 1941d, **AA**, Agadir; Mouna 1998; Geller-Grimm 2007

Dioctria rufa Strobl, 1906

Ebejer et al. 2019, **Rif**, Dardara (484 m)

Dioctria rungsi Timon-David, 1951

Timon-David 1951, **MA**, Ifrane (1650 m); Mouna 1998; Geller-Grimm 2007

Laphriinae

***Glyphotriclis* Hermann, 1920**

Glyphotriclis ornatus (Schiner, 1868)

= *Triclis ornatus* Schiner, in Becker and Stein 1913: 67

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **HA**, Marrakech; Mouna 1998; Geller-Grimm 2007; El Hawagry 2011

***Laphria* Meigen, 1803**

Laphria bomboides Macquart, 1849

= *Laphria praelusia* Séguy, in Séguy 1930a: 124

Séguy 1930a, **MA**, Soufouloud (1900–2100 m); Mouna 1998; **MA** (Meghraou-na, Tamtraekt) – MISR

***Pogonosoma* Rondani, 1856**

Pogonosoma maroccanum (Fabricius, 1794)

Loew 1860; Becker and Stein 1913, **Rif**, Tanger; Mouna 1998; Carles-Tolrá 2002; Geller-Grimm 2004; Geller-Grimm 2007; Ghahari et al. 2007; Koçak and Kemal 2010; Koçak and Kemal 2013a; Ghahari et al. 2014

***Stiphrolamyra* Engel, 1928**

Stiphrolamyra rubicunda Oldroyd, 1947

Timon-David 1951, **AP**, Sidi Moussa el Harati; Mouna 1998; Geller-Grimm 2007; El Hawagry 2011; Ghahari et al. 2014

Stiphrolamyra vitai Hradský & Geller-Grimm, 1997

Hradský and Geller-Grimm 1997, **HA**, Taroudant; Geller-Grimm 2007

Laphystiinae

***Perasis* Hermann, 1905**

Perasis sareptana Hermann, 1906

Séguy 1930a, **HA**, Asni; Mouna 1998

***Scytomedes* Röder, 1882**

Scytomedes haemorrhoidalis (Fabricius, 1794)

= *Triclis haemorrhoidalis* Fabricius, in Mouna 1998: 84

Séguy 1930a, **MA**, Meknès; Mouna 1998; Geller-Grimm 2007; Hayat et al. 2008; Koçak and Kemal 2010; Ghahari et al. 2014

***Trichardis* Hermann, 1906**

Trichardis leucocomus (Van der Wulp, 1899)

= *Trichardis leucicoma* Van der Wulp, in Timon-David 1951: 132

Timon-David 1951, **AA**, Tata, piste de Fask Tahrjicht; Mouna 1998; Geller-Grimm 2007; Hayat et al. 2008; Koçak and Kemal 2010; El Hawagry 2011; Ghahari et al. 2014

Leptogastrinae

Leptogaster* Meigen, 1803Leptogaster cylindrica* (De Geer, 1776)= *Leptogaster hispanica* Meigen, in Séguy 1930a: 117Séguy 1930a, **MA**, Meknès; Mouna 1998; Tomasovic 2006, **Rif**; Geller-Grimm 2007; Hayat et al. 2008; Koçak and Kemal 2010; Ghahari et al. 2014*Leptogaster pedunculata* Loew, 1847= *Gonypes pedunculatus* Loew, in Becker and Stein 1913: 72Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **HA**, Haute Réghaya; Mouna 1998*Leptogaster straminea* Becker, 1907Timon-David 1951, **MA**, Aguelmane Sidi Ali (2070 m); Mouna 1998; Geller-Grimm 2007

Stenopogoninae

Afroholopogon* Londt, 1994Afroholopogon waltlii* (Meigen, 1838)= *Heteropogon waltlii* Meigen, in Séguy 1930a: 123Séguy 1930a, **MA**, Meknès; Mouna 1998; Geller-Grimm 2007; Koçak and Kemal 2010***Amphisbetetus* Hermann, 1906***Amphisbetetus sexspinus* Tomasovic, 2008Tomasovic and Weyer 2008, **AA**, Imsouane (Agadir); Geller-Grimm 2007***Ancylorhynchus* Berthold in Latreille, 1827***Ancylorhynchus gummigutta* (Becker, 1906)Séguy 1930a, **Rif**, Tanger; Mouna 1998; Geller-Grimm 2007; Koçak and Kemal 2010*Ancylorhynchus limbatus* (Fabricius, 1794)Séguy 1930a, **MA**, Meknès, Timhadit (2000 m); Mouna 1998; Geller-Grimm 2007; Koçak and Kemal 2010*Ancylorhynchus vultur* Séguy, 1930Séguy 1930a, **MA**, Timhadit (2000 m); Mouna 1998; Geller-Grimm 2007; Koçak and Kemal 2010***Eriopogon* Loew, 1847***Eriopogon jubatus* Becker, 1906Timon-David 1951, **Rif**, Tanger, **AP**, Rabat; Hradský and Hüttinger 1995, **AP**, Rabat; Mouna 1998; Geller-Grimm 2007; **AP** (Forêt Temara) – MISR*Eriopogon laniger* Meigen, 1804= *Holopogon flavescens* Jaennicke, in Séguy 1930a: 123Séguy 1930a, **HA**, Aguer gour; Mouna 1998; Geller-Grimm 2007; Hayat et al. 2008; Koçak and Kemal 2010; Ghahari et al. 2014

Eriopogon spatenkai Hradský & Hüttinger, 1995

Geller-Grimm 2007; Hradský and Hüttinger 1995, **MA**, Mishliffen

***Galactopogon* Engel, 1929**

Galactopogon hispidus Engel, 1929

Ebejer et al. 2019, **AA**, 23 km S of Rich (Errachidia, 2012 m)

***Habropogon* Loew, 1847**

Habropogon aerivagus (Séguy, 1953)

Séguy 1953a, **SA**, Aouletis

Habropogon appendiculatus Schiner, 1867

Timon-David 1951, **AA**, Aïn Chaïb; Mouna 1998; Weinberg and Blasco-Zumeta 2004; Hradský and Geller-Grimm 2005; Geller-Grimm 2007; Koçak and Kemal 2010; El Hawagry 2011

Habropogon bacescui Weinberg & Tsacas, 1973

Geller-Grimm 2007; Koçak and Kemal 2010

Habropogon distipilosus Weinberg & Tsacas, 1973

Geller-Grimm 2007

Habropogon hauseri Hradský & Geller-Grimm, 2005

Hradský and Geller-Grimm 2005, **HA**, Tizi-n'Test; Geller-Grimm 2007; Koçak and Kemal 2010

Habropogon odontophallus Weinberg & Tsacas, 1973

Geller-Grimm 2007

Habropogon parappendiculatus Weinberg & Tsacas, 1973

Hradský and Geller-Grimm 2005, **HA**, Aït Saoun; Geller-Grimm 2007; Kirk-Spriggs and McGregor 2009, **HA**; Koçak and Kemal 2010

Habropogon prionophallus Weinberg & Tsacas, 1973

Geller-Grimm 2007

Habropogon pyrrhophaeus Weinberg & Tsacas, 1973

Geller-Grimm 2007

Habropogon rubriventris Macquart, 1849

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **AP**, Aïn el Hadjar (near Mogador), **MA**, Meknès, Tlet n'Rhoir, **EM**, Berkane (1350–1400 m); Mouna 1998

Habropogon senilis Wulp, 1899

Geller-Grimm 2007

Habropogon spissipes Hermann, 1909

Geller-Grimm 2007; Koçak and Kemal 2010; El Hawagry 2011; Ghahari et al. 2014

Habropogon striatus (Fabricius, 1794)

= *Habropogon heteroneurus* Timon-David, in Timon-David: 135

Séguy 1941d, **AA**, Agadir; Mouna 1998; Geller-Grimm 2007; El Hawagry 2011, **AP**, Rabat

***Heteropogon* Loew, 1847**

Heteropogon biplex Becker, in Becker & Stein 1913: 65

Becker and Stein 1913, **Rif**, Tanger; Geller-Grimm 2007

Heteropogon manicatus (Meigen, 1820)

Séguy 1930a, **MA**, Azrou, Meknès, Aïn Leuh, **HA**, Asni; Mouna 1998; Geller-Grimm 2007; Koçak and Kemal 2010; **MA** (Ifrane) – MISR

Heteropogon nubilus (Meigen, 1820)

= *Isopogon brevis* Schiner, in Becker and Stein 1913: 64

= *Sisyrnodytes brevis* Macquart, in Timon-David 1951: 134, Séguy 1953a: 79
Becker and Stein 1913, **Rif**, Tanger; Séguy 1953a, **AA**, Imiter; Mouna 1998; Geller-Grimm 2007; Koçak and Kemal 2010; Shoeibi and Karimpour 2010; Ghahari et al. 2014

Holopogon* Loew, 1847Holopogon dimidiatus* (Meigen, 1820)

Séguy 1941d, **AA**, Agadir

Holopogon dusmeti Strobl in Czerny & Strobl 1909

= *Eriopogon dusmeti* Strobl, in Timon-David 1951: 132

Timon-David 1951, **EM**, Guenfouda, **HA**, Tifni; Mouna 1998; Geller-Grimm 2007; **HA** (Tifni Demnat) – MISR

Holopogon melaleucus (Meigen, 1820)

Séguy 1930a, **AP**, Forêt Maâmora, Dar Salem (Rabat); Séguy 1941d, **AA**, Agadir; Mouna 1998; Geller-Grimm 2007

Holopogon pusillus (Macquart, 1838)

= *Habropogon pusillus* (Macquart), in Séguy 1949a: 154

Séguy 1949a, **SA**, Goulimine; Mouna 1998

Holopogon quadrinotatus Séguy, 1953

Séguy 1953a, **SA**, Amguilli Sguelma

***Acnephalum* Macquart, 1838**

= *Pycnopogon* Loew, 1847 in Londt 2010

Acnephalum apiformis (Macquart in Lucas, 1849)

Séguy 1930a, **MA**, Timhadit (2000 m), Meskedall (1800–1900 m); Timon-David 1951, **MA**, Ifrane (1650 m); Mouna 1998; Geller-Grimm 2007

Acnephalum denudatus (Séguy, 1949)

= *Stenopogon denudatus* Loew, in Séguy 1930a: 123, Séguy 1934b: 162

Séguy 1930a, **MA**, Tizi-n'Tkrine; Séguy 1934b, **HA**, Haute Réghaya; Séguy 1949b, **AP**, Bou Tazzert near Mogador; Séguy 1953a, **AA**, Oasis du Ferkla; Mouna 1998; Geller-Grimm 2007

Acnephalum fasciculatus (Loew, 1847)

Séguy 1930a, **MA**, Azrou, Timelilt, Sidi Bettache, **HA**, Asni, bords Imminen (Tachdirt), Likount (2500–2800 m), Lac Ifni (Skoutana), **SA**, Béni Mgild; Timon-David 1951, **AP**, Oued Korifla, **MA**, Lac Aguelmane Sidi Ali (2070 m), Oued N'Zala; Mouna 1998; Geller-Grimm 2007; Lehr et al. 2007; Koçak and Kemal 2010; Ghahari et al. 2014; **MA** (Ras el Ma) – MISR

Stenopogon* Loew, 1847Stenopogon costatus* Loew, 1871

= *Stenopogon costarus* Loew, in Mouna 1998: 84

Séguy 1930a, **MA**, Tizi-n'Tkrine (Jebel Ahmar, 1700 m); Mouna 1998

Stenopogon gracilis (Macquart, 1838)

= *Stenopogon fumipennis* Becker, in Becker and Stein 1913: 68
Becker and Stein 1913, **Rif**, Tanger; Geller-Grimm 2007

Stenopogon heteroneurus (Macquart, 1838)

Timon-David 1951, **AP**, Forêt Maâmora, Oued Akreuch, **HA**, Mouldikht; Mouna 1998; Hayat et al. 2008; Geller-Grimm 2007; Koçak and Kemal 2010; El Hawagry 2011; Ghahari et al. 2014

Stenopogon iphippus Séguy, 1932

Séguy 1932b, **MA**, Volubilis; Mouna 1998; Geller-Grimm 2007

Stenopogon iphis Séguy, 1932

Séguy 1932b, **MA**, Azrou; Timon-David 1951, **Rif**, Plateau de Tisserouine (2000 m), **MA**, Ifrane (1650 m), Ito (Rabat); Geller-Grimm 2007

Stenopogon ischyryus Séguy, 1932

Séguy 1932b, **MA**, Tizi-s'Tkrine (Jebel Ahmar, 1700 m); Mouna 1998; Geller-Grimm 2007

Stenopogon junceus (Wiedemann in Meigen, 1820)

Timon-David 1951, **AP**, Oued Akreuch, Zaër, **MA**, Sefrou; Mouna 1998; Geller-Grimm 2007; Hayat et al. 2008; Koçak and Kemal 2010; Ghahari et al. 2014

Stenopogon kocheri Timon-David, 1951

Timon-David 1951, **HA**, Tifni; Mouna 1998; Geller-Grimm 2007

Stenopogon porcus Loew, 1871

Séguy 1949a, **AA**, Akka; Mouna 1998; Geller-Grimm 2007

Stenopogon wernerii Engel, 1933

Geller-Grimm 2007; Koçak and Kemal 2010, **MA**, Fès, Zalagh

***Sisyrnodytes* Loew, 1856**

Sisyrnodytes leucophaetus Séguy, 1930

Séguy 1930a, **MA**, Béni Berberi; Mouna 1998; Geller-Grimm 2007; Londt 2009

Sisyrnodytes nilicola (Rondani, 1850)

Oldroyd 1980; Londt 1987; Geller-Grimm 2007; Londt 2009, **AA**, Ifni, Tiznit, Tata, Tazegzout; El Hawagry 2011; Samin et al. 2011; Ghahari et al. 2014

Stichopogoninae

***Stichopogon* Loew, 1847**

Stichopogon albellus Loew, 1856

Séguy 1949a, **AA**, Foum-el-Hassan; Mouna 1998

Stichopogon albofasciatus (Meigen, 1820)

Séguy 1930a, **HA**, Kasba Taguendaft (Goundafa); Mouna 1998; Geller-Grimm 2007

Stichopogon elegantulus (Wiedemann, 1820)

Séguy 1930a, **HA**, Kasba Taguendaft (Goundafa), Aguerd el Had, **AA**, Talek-jount (Souss); Mouna 1998; Geller-Grimm 2007; Ghahari et al. 2007; Koçak and Kemal 2010; El Hawagry 2011; Ghahari et al. 2014; **AP** (Kénitra) – MISR

Stichopogon inaequalis Loew, 1847

Séguy 1930a, **HA**, Aguerd el Had, **AA**, Talekjount (Souss); Mouna 1998; Geller-Grimm 2007

Stichopogon maroccanus (Becker, 1914)

Becker and Stein 1913, **Rif**, Tanger; Geller-Grimm 2007; El Hawagry 2011, **Rif**, Tanger

Stichopogon punctiferus Bigot, 1878

Geller-Grimm 2007

Stichopogon pusio (Macquart in Lucas, 1849)

Séguy 1930a, **HA**, Kasba Taguendaft (Goundafa); Mouna 1998; Geller-Grimm 2007; El Hawagry 2011

Stichopogon schineri Koch, 1872

Timon-David 1951, **AA**, Backkoum (Jebel Siroua); Mouna 1998; Hayat et al. 2008; Geller-Grimm 2007; Koçak and Kemal 2010; Ghahari et al. 2014

BOMBYLIIDAE

K. Kettani, M.J. Ebejer, J. Dils

Number of species: **248**. Expected: 270

Faunistic knowledge of the family in Morocco: good

Usiinae

Apolysis* Loew, 1860Apolysis eremophila* Loew, 1873

= *Usia tomentosa* Engel, in Paramonow 1947: 209

= *Parageron ornata* Engel, in Zaitzev 2007: 160

Paramonow 1947; Mouna 1998; Zaitzev 2007, **AP** (south), Tamri; Koçak and Kemal 2010; El Hawagri 2011; Evenhuis and Greathead 2015

Parageron* Paramonov, 1929Parageron gratus* (Loew, 1856)

= *Usia grata* Loew, in Timon-David 1951: 143

Timon-David 1951, **AP**, Oued Grou; Mouna 1998; Bader and Arabyat 2004; Zaitzev 2007, **SA**; Koçak and Kemal 2010; El Hawagri 2011; Evenhuis and Greathead 2015 – MISR

Parageron griseus Paramonov, 1947

Zaitzev 2007, **SA**

Parageron hyalipennis (Séguy, 1941)

= *Oligodranes hyalipennis* Séguy, in Séguy 1941d: 9

Séguy 1941d, **AA**, Agadir (Forêt Admine); Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015, **HA**

Parageron incisus (Wiedemann, 1830)

= *Usia incisa* Wiedemann, in Timon-David 1951: 143

Séguy 1930a, **AP**, Mogador, Casablanca, Sidi Bettache, Aïn Sferguila, **MA**, Forêt Zaers, Ras el Ma, Aïn Leuh, **HA**, Tenfecht; Timon-David 1951, **AP**, Rabat, Sehoul, **MA**, Ifrane; Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Parageron major Macquart, 1840

Mouna 1998; Pârvu and Zaharia 2007; Zaitzev 2007, **AP**, Rabat, Nkheila; Evenhuis and Greathead 2015

***Usia* Latreille, 1802**

Usia (Micrusia) aurata (Fabricius, 1794)

= *Usia (Micrusia) taeniolata* Costa, 1883, in, Koçak and Kemal 2010

Séguy 1930a, **Rif**, Tanger, **AP**, Rabat, Sidi Bettache; Paramonov 1950, **Rif**, Tanger; Mouna 1998; Koçak and Kemal 2010; El Hawagry 2011; Evenhuis and Greathead 2015

Usia (Micrusia) crispa Gibbs, 2011

Gibbs 2011, **HA**, Marrakech, **AA**, Agadir, Taroudant, Tafraoute, Ouarzazate

Usia (Micrusia) cryptocrispa Gibbs, 2011

Gibbs 2011, **AP**, Ben Slimane, Rabat

Usia (Micrusia) dilsii Gibbs, 2011

Gibbs 2011, **Rif**, Tétouan, Al Hoceima, **HA**, Taourirt

Usia (Micrusia) echinus Gibbs, 2011

Gibbs 2011, **AP**, Agadir, Guelmim, Sidi Ifni, Cap Ghir, **MA**, Tafraoute, **HA**, Marrakech, Tizi-n-Test, **AA**, Tafingoult

Usia (Micrusia) falcata Gibbs, 2011

Gibbs 2011, **MA**, Azrou, Ifrane

Usia (Micrusia) forcipata Brullé, 1833¹⁴

Mouna 1998: 84

Usia (Micrusia) globicauda Gibbs, 2011

Gibbs 2011, **AP**, Essaouira

Usia (Micrusia) loewi Becker, 1906

Zaitzev 2007, **Rif**, Tanger, **AP**, Skhirate, Nkheila, **MA**, Taferiate, **HA**, Taourirt

Usia (Micrusia) novakii Strobl, 1902

Séguy 1941d, **HA**, Tizi-n'Test; Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Usia (Micrusia) parasciapa Gibbs, 2011

Gibbs 2011, **MA**, Ifrane, Mischliffen (2200 m)

Usia (Micrusia) pusilla Meigen, 1820

Séguy 1930a, **AP**, Rabat, **MA**, Azrou, **HA**, Tafingoult (Goundafa, 1500–1600 m); Séguy 1934b, **AP**, Rabat (on *Calendula*); Séguy 1953a, **AP**, Cap Ghir; Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015

¹⁴ The record of *Usia forcipata* is doubtful as this species is probably endemic to Greece (Gibbs 2011).

Usia (Micrusia) versicolor (Fabricius, 1787)

Séguy 1930a, **AP**, Berrchid, Casablanca, M'Rassine; Timon-David 1951, **AP**, Rabat, **MA**, Oulmès; Mouna 1998; Koçak and Kemal 2010; Gibbs 2011, **HA**; Evenhuis and Greathead 2015; **EM** (Oujda) – MNHNR

Usia (Usia) aenea (Rossi, 1794)

Séguy 1949a, **AA**, Foum-el-Hassan; Mouna 1998; Bader and Arabyat 2004; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Usia (Usia) angustifrons Becker, 1906

Mouna 1998

Usia (Usia) atrata (Fabricius, 1798)

= *Voluccella atrata* Fabricius, in Fabricius 1798: 570

= *Usia claripennis* Macquart, in Macquart 1840: 105

Meigen 1820; Séguy 1930a, **Rif**, Tanger, **MA**, Aïn Leuh; Timon-David 1951, **AP**, Rabat, Guerrouaou; Mouna 1998; Zaitzev 2007, **HA**, Tizi-n'Tichka; Koçak and Kemal 2010; Gibbs 2014, **AP**, Mogador, Arbaa-Sahel (320 m), Tamri (215 m), **MA**, Khemisset, Oulmès (700 m), Ifrane, El Merabtine, **HA**, Marrakech, Aït Ourirr (530 m), Oukaimeden (2200 m), Tizi-n'Test (1450 m), Timzit (1700 m), **AA**, Agadir, Tiznit, Igherm (1660 m), Taroudant, Tata, Iguiour (1260 m), **SA**, Bou Jarif, Goulimine; Evenhuis and Greathead 2015

Usia (Usia) bicolor Macquart, 1855¹⁵

Mouna 1998: 84

Usia (Usia) cornigera Gibbs, 2014

Gibbs 2014, **Rif**, Tanger, **AP**, Sidi Bettache, Rabat, **MA**, Meknès (550 m), Aïn Leuh (1350 m), **HA**, Dar Kaid M'tougui

Usia (Usia) florea (Fabricius, 1794)

= *Volucella florea* Fabricius, in Becker 1906: 203

= *Usia cuprea* Macquart, 1834, in Becker 1906: 203

Becker 1906a; Séguy 1930a, **Rif**, Tanger, **AP**, Mogador, Sidi Bettache, **HA**, Tinmel (Goundafa), around (Skoutana); Timon-David 1951, **EM**, Oued Moulouya; Mouna 1998; Pârvu and Zaharia 2007; Koçak and Kemal 2010; Gibbs 2014; Evenhuis and Greathead 2015

Usia (Usia) ignorata Becker, 1906

Becker 1906a; Mouna 1998; Bader and Arabyat 2004; Pârvu and Zaharia 2007; Koçak and Kemal 2010; El Hawagry 2011

Usia (Usia) maghrebensis Gibbs, 2014

Gibbs 2014, **Rif**, Tanger, Tétouan, El Biutz (150 m), **AP**, Mogador, **MA**, Aïn Leuh (1350 m)

Usia (Usia) vestita Macquart, 1846

Mouna 1998: 84; Gibbs 2011

¹⁵ *Usia (Usia) bicolor* is an east Mediterranean species (Gibbs 2014) and the record from Morocco is most likely a misidentification.

Phthiriinae

Phthiria* Meigen, 1802Phthiria albogilva* Séguy, 1941Séguy 1941d, **AA**, Agadir; Mouna 1998; Evenhuis and Greathead 2015*Phthiria gaedii* Wiedemann in Meigen, 1820Séguy 1930a, **MA**, Foum Keneg; Timon-David 1951, **AP**, Zaers, **MA**, Ifrane; Mouna 1998; Koçak and Kemal 2010; El Hawagry 2011; Evenhuis and Greathead 2015 – MISR (**MA**, Ifrane)*Phthiria maroccana* Zaitzev, 2005= *Phthiria maroccana* Zaitzev, in Zaitzev 2005: 667Zaitzev 2005, **MA**, Taferiate, **HA**, Taourirt; Zaitzev 2007, **MA**, Taferiate, **HA**, Taourirt*Phthiria merlei* Zaitzev, 2005= *Phthiria merlei* Zaitzev, in Zaitzev 2005: 665Zaitzev 2005, **AP** (south), Tamri, Inchaden (south of Aït Melloul); Zaitzev 2007, **AP** (south), Tamri, Inchaden (south of Aït Melloul)*Phthiria minuta* (Fabricius, 1805)Séguy 1930a, **HA**, Tenfecht, **AA**, Souss; Mouna 1998; Koçak and Kemal 2010; El Hawagry 2011*Phthiria pulicaria* var. *flavofasciata* Strobl in Morge, 1976Mouna 1998; Zaitzev 2007, **AA**, Tizi-n'Tiniggigt (1600 m); Koçak and Kemal 2010; Evenhuis and Greathead 2015*Phthiria scutellaris* Wiedemann in Meigen, 1820Séguy 1930a, **MA**, Meknès; Séguy 1941a, **MA**, Meknès, **HA**, Imi-n'Ouaka (1500 m); Mouna 1998; Evenhuis and Greathead 2015; **Rif** (Sapinière Talas-semthane) – MISR*Phthiria simonyi* Becker, 1908Séguy 1949a, **SA**, Guelmim; Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015, **MA**, Meknès*Phthiria umbripennis* Loew, 1846Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015, **MA**, Meknès*Phthiria vagans* Loew, 1846Zaitzev 2007, **HA**, Taourirt, **AA**, Tizi-n'Taratine

Toxophorinae

Geron* Meigen, 1820Geron intonsus* Bezzi, 1925***MA, HA***Geron macquarti* Greathead in Evenhuis & Greathead 1999

Dils and Özbek 2006; Koçak and Kemal 2010; El Hawagry 2011

Geron subflavofemoratus Andréu Rubio, 1959

Andréu Rubio 1959; Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015

***Toxophora* Meigen, 1803**

Toxophora fasciculata (Villers, 1789)

Séguy 1930a, **AP**, Rabat; Mouna 1998; Dils and Özbek 2006; Koçak and Kemal 2010; El Hawagry 2011; Evenhuis and Greathead 2015; **AP** (Rabat) – MISR

Toxophora fuscipennis (Macquart, 1840)

Mouna 1998: 84

Toxophora pauli Zaitzev, 2005

Zaitzev 2005, **AA**, Ouarzazate, Jebel Tighermine (SE of Ouarzazate); Zaitzev 2007, **AA**, Ouarzazate, Jebel Tighermine (SE of Ouarzazate)

Toxophora shelkovnikovi Paramonov, 1933

Zaitzev 2007, **AA**, Ouarzazate

Heterotropinae

***Heterotropus* Loew, 1873**

Heterotropus atlanticus Séguy, 1930

Séguy 1930a, **AP**, Mogador; Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Heterotropus longitarsus Séguy, 1930

Koçak and Kemal 2010; Evenhuis and Greathead 2015

Heterotropus maroccanus Zaitzev, 2003

Zaitzev 2003, **AA**, Jebel Tighermine (SE of Ouarzazate); Zaitzev 2007, **AA**, Jebel Tighermine (SE of Ouarzazate)

Bombyliinae

***Anastoechus* Osten-Sacken, 1877**

Anastoechus bahirae Becker, 1915

Mouna 1998; Zaitzev 2007, **AA**, Jebel Tighermine (SE of Ouarzazate)

Anastoechus hyrcanus Pallas & Wiedemann in Wiedemann, 1818

Mouna 1998: 84

Anastoechus latifrons (Macquart, 1839)

Timon-David 1951, **AP**, Dradek; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Anastoechus nitidulus ssp. *nitidulus* Fabricius, 1794

Mouna 1998: 84

Anastoechus stramineus Wiedemann in Meigen, 1820

Mouna 1998: 84

Anastoechus trisignatus (Portschinsky, 1881)

Bader and Arabyat 2004; Ziatzev 2007, **AP**, Rabat, **AA**, Jebel Tighermine (SE of Ouarzazate), **AA**, 20 km SW Goulmima, **SA**, Tan-Tan, Between Guelmim

and Tan-Tan (90 km from Guelmim), Taganint (south of Bou-Izakarn); Koçak and Kemal 2010; El Hawagry 2011; Evenhuis and Greathead 2015

***Bombomyia* Greathead, 1995**

Bombomyia discoidea (Fabricius, 1794)

Séguy 1930a, **AP**, Oued Korifla (Zaers), Sidi Bettache; Bader and Arabyat 2004; Dils and Özbek 2006; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Bombomyia stictica Boisduval, 1835

Zaitzev 2007, **MA**, col de Zeggota (N Meknès), Oulmès

Bombomyia vertebralis (Dufour, 1833)

= *Bombylius punctatus* Fabricius, in Timon-David 1951: 144

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a **AP**, Dradek near Rabat; Timon-David 1951, **MA**, Volubilis; Mouna 1998; Bader and Arabyat 2004; Koçak and Kemal 2010 Evenhuis and Greathead 2015; **AP** (Dradek, Casablanca), **EM** (Oujda), **MA** (Volubilis, Aïn Leuh) – MISR

***Bombylisoma* Rondani, 1856**

Bombylisoma algirum (Macquart, 1840)

= *Bombylius nigrifrons* Becker, in Becker and Stein 1913: 83

Becker and Stein 1913, **Rif**, Tanger; Mouna 1998; Zaitzev 2007, **Rif**, Tanger; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Bombylisoma brevisculum (Loew, 1855)

Dils and Özbek 2006; Zaitzev 2007; Evenhuis and Greathead 2015

Bombylisoma flavibarbum Loew, 1855

Mouna 1998: 84

Bombylisoma melanocephalum Fabricius, 1794

Zaitzev 2007, **HA**, Taourirt, south of Tizi-n'Test

***Bombylius* Linnaeus, 1758**

Bombylius (Bombylius) albaminis Séguy, 1949

Séguy 1949a, **HA**, Alnif; Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Bombylius (Bombylius) ambustus Pallas & Wiedemann, 1818

Mouna 1998: 84

Bombylius (Bombylius) analis (Olivier, 1789)

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **AP**, Oued Korifla, Rabat, Sidi Bettache, Aïn Sferguila; Timon-David 1951, **AP**, Rabat; Mouna 1998; Zaitzev 2007, **MA**, route Fès-Sidi Kacem (30 km from Fès); Koçak and Kemal 2010; Evenhuis and Greathead 2015, **AP** (Rabat, Casablanca) – MISR

Bombylius (Bombylius) audcenti Bowden, 1984

Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Bombylius (Bombylius) canescens Mikan, 1796

Becker and Stein 1913, **Rif**, Tanger; Mouna 1998; Zaitzev 2007, **Rif**, Cap Malabata (Tanger), **MA**, Tachguelt, route Fès-Sidi Kacem (30 km from Fès)

Bombylius (Bombylius) cinerascens Mikan, 1796

Mouna 1998; Bader and Arabyat 2004

Bombylius (Bombylius) discolor Mikan, 1796

Mouna 1998; Zaitzev 2007, **MA**, route El Hajeb-Ifrane (1 km from Ifrane)

Bombylius (Bombylius) eploceus Séguy, 1949

Séguy 1949a, **SA**, Guelmim; Mouna 1998; Evenhuis and Greathead 2015

Bombylius (Bombylius) fimbriatus Meigen, 1820

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **MA**, Tizi-s'Tkrine, Jebel Ahmar (1700 m); Mouna 1998; Pârvu and Zaharia 2007; Zaitzev 2007; Koçak and Kemal 2010; El Hawagry 2011; Evenhuis and Greathead 2015

Bombylius (Bombylius) flavipes Wiedemann, 1828

Becker and Stein 1913, **Rif**, Tanger; Mouna 1998; Zaitzev 2007; Koçak and Kemal 2010; El Hawagry 2011; Evenhuis and Greathead 2015

Bombylius (Bombylius) fulvescens Wiedemann in Meigen, 1820

Becker and Stein 1913, **Rif**, Tanger; Séguy 1953a, **AP**, Cap Ghir; Séguy 1941d, **AA**, Agadir; Mouna 1998

Bombylius (Bombylius) fuscus Fabricius, 1781

Mouna 1998: 84

Bombylius (Bombylius) major (Linnaeus, 1758)

Becker and Stein 1913, **Rif**, Tanger; Séguy 1953a, **MA**, Oulmès; Bader and Arabyat 2004; Zaitzev 2007; Koçak and Kemal 2010; El Hawagry 2011; Evenhuis and Greathead 2015; **AP** (Kénitra) – MISR

Bombylius (Bombylius) mauritanus Olivier, 1789

Koçak and Kemal 2010; Evenhuis and Greathead 2015, **HA**

Bombylius (Bombylius) medius (Linnaeus, 1758)

Becker and Stein 1913, **Rif**, Tanger; Timon-David 1951, **AP**, Sehoul; Mouna 1998; Bader and Arabyat 2004; Dils and Özbek 2006; Pârvu and Zaharia 2007; Zaitzev 2007; Koçak and Kemal 2010; El Hawagry 2011; Evenhuis and Greathead 2015; **AP** (Oued Yquem, Dradek) – MISR

Bombylius (Unplaced) *megacephalus* Portschinsky, 1887*

EM, AA

Bombylius (Bombylius) minor Linnaeus, 1758

Mouna 1998; Zaitzev 2007, **Rif**, Tanger; **MA** (Aguelmane Azigza), **SA** – MISR

Bombylius (Bombylius) mus Bigot, 1862

Koçak and Kemal 2010; El Hawagry 2011; Evenhuis and Greathead 2015

Bombylius (Bombylius) niveus Meigen, 1804

Mouna 1998: 84; **AP** (Mogador) – MISR

Bombylius (Bombylius) numidus Macquart, 1846

Séguy 1953a, **MA**, Ifrane; El Hawagry 2011; Evenhuis and Greathead 2015

Bombylius (Bombylius) pauli Zaitzev, 2003

Zaitzev 2003, **MA**, route Fès-Sidi Kacem (30 km from Fès); Zaitzev 2007, **MA**, route Fès-Sidi Kacem (30 km from Fès)

Bombylius (Bombylius) posticus (Fabricius, 1805)

Dils and Özbek 2006; Zaitzev 2007; Koçak and Kemal 2010; El Hawagry 2011; Evenhuis and Greathead 2015

Bombylius (Bombylius) postversicolor Evenhuis & Greathead, 1999

= *Bombylius versicolor* Fabricius, 1805

Meigen 1820; Bezzi 1906; Séguy 1930a, **AP**, Mogador; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Bombylius (Bombylius) pumilus Meigen, 1820

Mouna 1998: 84

Bombylius (Bombylius) semifuscus (Meigen, 1820)

Séguy 1953a, **AP**, Cap Ghir; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Bombylius (Bombylius) torquatus Loew, 1855

Séguy 1930a, **HA**, Ouaounzert (Glaoua), Arround (Skoutana), Tachdirt (bord de l'Imminen, 2400–2600 m); Timon-David 1951, **AP**, Rabat; Mouna 1998; Evenhuis and Greathead 2015; **AP** (Mogador) – MISR

Bombylius (Bombylius) undatus Mikan, 1796

Pârvu and Zaharia 2007

Bombylius (Bombylius) vagans Meigen, 1830

Koçak and Kemal 2010; Evenhuis and Greathead 2015

Bombylius (Bombylius) venosus Mikan, 1796

Mouna 1998; Zaitzev 2007, **AP**, El Koudia (30 km SW from Rabat); **AP** (Dradek) – MISR

Bombylius (Zephyrectes) cruciatus Fabricius, 1798

Séguy 1930a, **MA**, Aharmoumou (1100 m), Azrou, Ras el Ma, **HA**, Tizi-n'Test, Jebel Imdress (Goundafa, 2000–2450 m); Mouna 1998; Zaitzev 2007; Koçak and Kemal 2010; Evenhuis and Greathead 2015; **Rif** (Talassemthane), **AP** (Mogador), **MA** (Sefrou) – MISR

Bombylius (Zephyrectes) leucopygus (Macquart, 1846)

Becker and Stein 1913, **Rif**, Tanger; Mouna 1998; Zaitzev 2007, **AP**, Larache, **MA**, Moulay Idris (900 m); Evenhuis and Greathead 2015, **SA**, Erfoud; **MA** (Ifrane) – MISR

Conophorus Meigen, 1803

Conophorus bellus Becker, 1906*

HA

Conophorus fuliginosus (Wiedemann in Meigen, 1820)

= *Ploas fuliginisa* (Meigen), in Séguy 1953a: 83

Séguy 1930a, **MA**, Aharmoumou (1100 m); Séguy 1953a, **MA**, Aharmoumou (1100 m); Timon-David 1951, **AP**, Dradek, **MA**, Sefrou, **HA**, Marrakech; Mouna 1998; Zaitzev 2007, **Rif**, Tanger; Evenhuis and Greathead 2015; **AP** (Salé, Mogador) – MISR

Conophorus fuscipennis (Macquart, 1840)

Séguy 1930a, **HA**, Tizi-n'Test, Jebel Imdress (2000–2450 m), Goundafa; Mouna 1998; Evenhuis and Greathead 2015

Conophorus griseus (Fabricius, 1787)

Mouna 1998; Zaitzev 2007; Evenhuis and Greathead 2015

Conophorus hamilkar Paramonov, 1929

Timon-David 1951, **AP**, Mogador; Mouna 1998; Evenhuis and Greathead 2015; **AP** (Mogador) – MISR

Conophorus macroglossus (Dufour, 1852)

Mouna 1998; Zaitzev 2007; Evenhuis and Greathead 201; **AP** (Mogador) – MISR

Conophorus mauritanicus Bigot, 1892

= *Conophorus heteropilosus* Timon-David, in Timon-David 1951: 141; Mouna 1998: 84; Evenhuis and Greathead 2015: 192

Timon-David 1951, **MA**, Oulmès; Mouna 1998; Zaitzev 2007, **AP**, El Koudia (30 km SW from Rabat), Forêt Zaer (35 km SW from Rabat), N Tretten; Koçak and Kemal 2010; Dils 2013, **MA**, Mrirt; Evenhuis and Greathead 2015

Conophorus rossicus Paramonow, 1929

Dils and Özbek 2006

Dischistus* Loew, 1855Dischistus albatu*s (Séguy, 1934)

= *Acanthogeron albatu*s Séguy, 1934, in Séguy 1934d: 73; Zaitzev 2007: 162
Séguy 1934d; Zaitzev 2007, **SA**, 30 km S Tata

Dischistus auripilus (Séguy, 1930)

= *Acanthogeron auripilus* Séguy, 1930, in Séguy 1930a: 104
Séguy 1930a, **AP**, Mogador; Séguy 1934b, **AP**, Zaers; Timon-David 1951, **AP**, Oued Korifla; Mouna 1998; Evenhuis and Greathead 2015

Dischistus maroccanus (Séguy, 1930)

= *Acanthogeron maroccanus* Séguy, 1930, in Séguy 1930a: 106
Séguy 1930a, **AP**, Mogador; Mouna 1998; Zaitzev 2007, **HA**, Tazzarine; Evenhuis and Greathead 2015

Dischistus mittrei (Séguy, 1930)

= *Acanthogeron mittrei* Séguy, in Séguy 1930a: 105
Séguy 1930a, **AP**, Mogador; Mouna 1998; Evenhuis and Greathead 2015

Dischistus perniveus (Bezzi, 1925)

= *Acanthogeron perniveus* Bezzi, in Timon-David 1951: 143
Timon-David 1951, **AP**, Djamda de M'Tal; Mouna 1998; El Hawagry 2011; Evenhuis and Greathead 2015

Dischistus senex (Wiedemann in Meigen, 1820)

= *Acanthogeron senex* Meigen, 1820, in Séguy 1953a: 83, Mouna 1998: 84, Zaitzev 2007: 162
Séguy 1930a, **HA**, Tafingoult (Goundafa, 1500–1600 m); Villeneuve 1933; Séguy 1953a, **HA**, Aït Ourir; Mouna 1998; Zaitzev 2003, **HA**, Taourirt; Zaitzev 2007, **HA**, Taourirt; El Hawagry 2011; Evenhuis and Greathead 2015; **AP** (Dradek), **MA** (Sefrou) – MISR

Dischistus separatus (Becker, 1906)

= *Acanthogeron talboti* Séguy, 1930, in Séguy 1930a: 106
Evenhuis and Greathead 2015

Efflatounia* Bezzi, 1925Efflatounia berbera* Bowden, 1973Ebejer et al. 2019, **AA**, Agadir – NMWC***Legnotomyia* Bezzi, 1902***Legnotomyia fascipennis* Bezzi, 1925***SA*****Merleus* Zaitzev, 2003***Merleus punctipennis* Zaitzev, 2003= *Merleus punctipennis* Zaitzev 2003: 599Zaitzev 2003, **AP**, Skhirate; Zaitzev 2007, **AP**, Skhirate***Prorachthes* Loew, 1869***Prorachthes crassipalpis* Villeneuve, 1930

Evenhuis and Greathead 2015

Systoechus* Loew, 1855Systoechus ctenopterus* (Mikan, 1796)Timon-David 1951, **MA**, Ifrane; Mouna 1998; Dils and Özbek 2006; Zaitzev 2007; El Hawagry 2011; Evenhuis and Greathead 2015*Systoechus gomezmenori* Andréu Rubio, 1959

Carles-Tolrá 2002; Evenhuis and Greathead 2015

Systoechus gradatus (Wiedemann in Meigen, 1820)Timon-David 1951, **AP**, Mouldikht; Mouna 1998; Zaitzev 2007, **MA**, Taferriat, **HA**, Taourirt; El Hawagry 2011; Evenhuis and Greathead 2015*Systoechus mixtus* Wiedemann, 1821= *Bombylius stylicornis* Macquart in Séguy 1941: 10Séguy 1941d, **AA**, Agadir; Mouna 1998*Systoechus pumilio* Becker, 1915

Mouna 1998: 84

Triplasius* Loew, 1855Triplasius boghariensis* (Lucas, 1852)Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **EM**, Oujda; Mouna 1998; Pârvu and Zaharia 2007; Evenhuis and Greathead 2015*Triplasius maculipennis* (Macquart, 1846)= *Bombylius maculipennis* var. *melanopus* Timon-David, in Timon-David 1951: 144= *Bombylius (Triplasius) maculipennis* Macquart, 1849, in Zaitzev 2007: 166Timon-David 1951, **MA**, Azrou; Zaitzev 2007, **MA**, route El Hachef, Criosement route Raubei Idris-Merhassine; Evenhuis and Greathead 2015**Ecliminae*****Eclimus* Loew, 1844***Eclimus gracilis* Loew, 1844Séguy 1930a, **MA**, Ras el Ma; Timon-David 1951, **AP**, Oued Korifla; Mouna 1998; Bader and Arabyat 2004; Dils and Özbek 2006; Zaitzev 2007, **MA**, Maaziz; Evenhuis and Greathead 2015

Thevenetimyia* Bigot, 1875Thevenetimyia quedenfeldti* (Engel, 1885)*

Rif, AP, MA

Crocidiinae

Crocidium* Loew, 1860Crocidium aegyptiacum* Bezzi, 1925*

SA

Crocidium nudum Efflatoun, 1945*

EM, AA

Semiramis* Becker in Becker and Stein 1914Semiramis punctipennis* Becker, 1914

Zaitzev 2007, AA, Aoulouz

Cythereinae

Amictus* Wiedemann, 1817Amictus castaneus* (Macquart, 1840)

Séguy 1930a, AP, Rabat, HA, Ank el Djemal; Mouna 1998; Evenhuis and Greathead 2015

Amictus compressus (Fabricius, 1805)

Evenhuis and Greathead 2015

Amictus heteropterus Macquart, 1838

Zaitzev 2007, Rif, Tanger, AP, Rabat, HA, S Tizi-n'Test, AA, Tizi-n'Taratine

Amictus oblongus (Fabricius, 1805)= *Bombylius oblongus* Fabricius, in Macquart 1834: 390
Macquart 1834*Amictus pulchellus* Macquart, 1846

Séguy 1930a, AP, Rabat, Maâmora; Mouna 1998; Zaitzev 2007, HA, Taourirt; El Hawagry 2011; Evenhuis and Greathead 2015; AP (Rabat) – MISR

Amictus setosus Loew, 1869*

AP

Amictus tener Becker, 1906

Zaitzev 2007, AP, Rabat

Amictus validus Loew, 1869

Bader and Arabyat 2004; Dils and Özbek 2006; Karimpour 2012; Evenhuis and Greathead 2015

Amictus variegatus Meigen in Walz, 1835

Mouna 1998: 84

Chalcochiton* Loew, 1844Chalcochiton argentifrons* (Macquart in Lucas, 1849)

Séguy 1953a, AP, Cap Ghir, Salé, Sidi Battache, MA, Tizi-n'Bou Zabal (2300 m), AA, Aïn Chaïb (Souss); Evenhuis and Greathead 2015

Chalcochiton argyrocephalus (Macquart, 1840)

= *Chalcochiton (Anthrax) argyrocephala* (Macquart), in Engel 1938: 328
Engel 1938; Séguy 1953a, **AA**, Agadir; El Hawagry 2011; Evenhuis and Greathead 2015

Chalcochiton atlantica Dils, 2008

Dils 2008, **SA**, Guelmim

Chalcochiton holosericeus (Fabricius, 1794)

= *Chalcochiton semiargentea* Macquart, in Zaitsev 2007: 172

Séguy 1930a, **AP**, Maâmora, Sidi Bettache, **HA**, Tizi-n'Test, Jebal Imdress (2000–2450 m), Tafingoult (Goundafa, 1500–1600 m); Séguy 1941d; Mouna 1998; Zaitsev 2007, **Rif**, Tanger, **AP**, Skhirate, **EM**, Taourirt, **MA**, Taferiat, Meknès-Moulay Idriss, Merhassine, **AA**, Agadir, Ouarzazate; Evenhuis and Greathead 2015; **AP** (Salé, Forêt Temara, Oued Yquem, Meshra) – MISR

Chalcochiton maghrebi Dils, 2017

Dils 2017, **Rif**, Souk El Kolla, Bab Taza, 10 km S of Mjara, **AP**, Sidi Bettache, Tamsia, Imsouane, Mansouria, Rommani, Béni Slimane, Tioulit, **EM**, El Aoun, **MA**, Béni Mellal, el Ksiba, 10 km SE Bir Tamtam, Merchouch, Mrirt, Fès, **HA**, Azilal, Asni, Tizi-Mlil, **AA**, Taroudant, Tizi-n'Test, Tiznit, Agouim, Sidi Ifni, Mesti, Tafingoult, Tizi-n'Tiniffit, El Mrabtine, **SA**, Semara

Chalcochiton maroccanus Zaitsev, 2006

Séguy 1953a, **HA**, Tafingoult (Goundafa, 1500–1600 m); Zaitsev 2006, **AP** (south), Aït Melloul; Zaitsev 2007, **AP** (south), Aït Melloul

Chalcochiton merlei Zaitsev, 2006

Zaitsev 2006, **AP**, Skhirate; Zaitsev 2007, **AP**, Skhirate

Chalcochiton pallasii Loew, 1856

Bader and Arabyat 2004; Dils and Özbek 2006; Zaitsev 2007; Karimpour 2012; Evenhuis and Greathead 2015

Callostoma Macquart, 1840

Callostoma fascipenne Macquart, 1840

Bader and Arabyat 2004

Cyllenina Latreille, 1802

Cyllenina rustica Rossi, 1790

Mouna 1998; Zaitsev 2007; **AP** (Mogador) – MISR

Cytherea Fabricius, 1794

Cytherea albolineata Bezzi, 1925*

SA

Cytherea alexandrina Becker, 1902

Becker 1902: 30; Zaitsev 2007, **AA**, Jebel Tighermine (SE of Ouarzazate)

Cytherea aurea (Fabricius, 1794)

Séguy 1930a, **AP**, Rabat, **HA**; Mouna 1998; Bader and Arabyat 2004; Zaitsev 2007, **AA**, Tizi-n'Taratine; El Hawagry 2011; Evenhuis and Greathead 2015, **HA**, Tafingoult (Goundafa, 1500–1600 m); **AP** (Rabat, Oued Cherrat) – MISR

Cytherea cinerea Fabricius, 1805

= *Mulio delicatus* Becker, 1906

Becker 1906b: 153; Timon-David 1951, **AP**, Meshra; Mouna 1998; Bader and Arabyat 2004; El Hawagry 2011; Evenhuis and Greathead 2015

Cytherea delicata Becker, 1906

Zaitzev 2007, **HA**, S Tizi-n'Test, **AA**, Zagora, Taroudant, Tizi-n'Taratine

Cytherea dispar (Loew, 1873)

Bader and Arabyat 2004; Dils and Özbek 2006; Evenhuis and Greathead 2015

Cytherea fenestrata (Loew, 1873)

Bader and Arabyat 2004; Evenhuis and Greathead 2015

Cytherea infuscata (Meigen, 1820)

Séguy 1930a, **EM**, Itzr (Haute Moulouya), **MA**, Forêt Timelilt (1900 m), **HA**, Aït el Hadj, Marrakech; Mouna 1998; Evenhuis and Greathead 2015; **AP** (Meskara) – MISR

Cytherea maroccana (Becker, 1903)

= *Mulio maroccanus* Becker, in Becker 1903: 89

Becker 1903, **Rif**, Tanger; Bezzi 1906: 249; Timon-David 1951, **AP**, Azem-mour; Mouna 1998; El Hawagry 2011; Evenhuis and Greathead 2015

Cytherea obscura Fabricius, 1794

Séguy 1930a, **EM**, Haute Moulouya, **AP**, Sidi Bettache, **HA**, Ouaouenzert; Séguy 1941d; Mouna 1998; Dils and Özbek 2006; Zaitzev 2007, **MA**, Taferiat, **AA**, Agadir, Amredi, Jebel Tighermine (SE of Ouarzazate), Tizi-n'Tiniggigt, Tizi-n'Taratine, Tizi-n'Bachkoun; Karimpour 2012; Evenhuis and Greathead 2015

Cytherea rungsi Timon-David, 1951

Timon-David 1951, **EM**, Guenfouda; Mouna 1998; Evenhuis and Greathead 2015

Cytherea thyridophora (Bezzi, 1925)

Ebejer et al. 2019, **Rif**, Moulay Abdelsalam (Jebel Bouhachem, 965 m)

Cytherea trifaria (Becker, 1906)

Evenhuis and Greathead 2015

Lomatiinae

***Lomatia* Meigen, 1820**

Lomatia abbreviata Villeneuve, 1911

Séguy 1930a, **MA**, Forêt Zaers; Timon-David 1951, **EM**, Guercif; Mouna 1998; Bader and Arabyat 2004; Evenhuis and Greathead 2015; **AP** (Maâmora, Oued Cherrat, Dradek), **HA** – MISR

Lomatia belzebul paramonovi Fabricius, 1794

Séguy 1930a, **AP**, Dar Salem, **MA**, Timhadit, Meknès, Aïn Leuh; Mouna 1998; Dils and Özbek 2006; Zaitzev 2008; Karimpour 2012; Evenhuis and Greathead 2015

Lomatia erynnis (Loew, 1869)

Mouna 1998; Dils and Özbek 2006; Zaitzev 2008, **AP**, Rabat; Evenhuis and Greathead 2015

Lomatia hamifera Becker, 1915

Mouna 1998: 84

Lomatia lachesis Egger, 1859

Dils and Özbek 2006; Evenhuis and Greathead 2015

Lomatia lateralis (Meigen, 1820)

Séguy 1930a, **MA**, Ras el Ma, **HA**, Forêt Timelilt; Mouna 1998; Evenhuis and Greathead 2015; **AP** (Rabat), **MA** (Volubilis, Ras el Ma) – MISR

Lomatia obscuripennis Loew, 1869

Zaitzev 2008, **AP**, Nkheila; Evenhuis and Greathead 2015

Lomatia sabaea (Fabricius, 1781)

Mouna 1998: 84

Lomatia tysiphone Loew, 1860

Zaitzev 2008, **MA**, Azrou, **AA**, Tizi-n'Taratine

Antoniinae

***Antonia* Loew, 1856**

Antonia bouillonae Séguy, 1932

Evenhuis and Greathead 2015

Anthracinae

Aphoebantini

***Aphoebantus* Loew, 1872**

Aphoebantus wadensis Becker, 1925*

SA

Anthracini

***Anthrax* Scopoli, 1763**

Anthrax aethiops (Fabricius, 1781)

Mouna 1998; Bader and Arabyat 2004; Dils and Özbek 2006; Evenhuis and Greathead 2015; **AP** (Forêt Maâmora) – MISR

Anthrax anthrax (Schrank, 1781)

= *Argyramoeba anthrax* Schrank, in Séguy 1930a: 93

Séguy 1930a, **MA**, Aïn Leuh, Soufouloud (1900–2100 m), **HA**, Tizi-n'Test, Jebel Imdress (2000–2450 m), Goundafa; Timon-David 1951, **MA**, El Ksiba, Ifrane; Mouna 1998; Dils and Özbek 2006; Evenhuis and Greathead 2015

Anthrax binotatus (Wiedemann in Meigen, 1820)

= *Argyramoeba binotata* Meigen, in Séguy 1926: 209, Séguy 1930a: 94

- Séguy 1926; Séguy 1930a, **AP**, Rabat, **HA**, Tizi-n'Test, Jebel Imdress (2000–2450 m); Séguy 1949a, **HA**, Alnif; Mouna 1998; Dils and Özbek 2006; Koçak and Kemal 2010; El Hawagry 2011; Evenhuis and Greathead 2015; **AP** (Rabat) – MISR
Anthrax dentatus (Becker, 1906)
 Bader and Arabyat 2004; Zaitzev 2008, **AA**, Tizi-n'Tiniggigt; El Hawagry 2011; Evenhuis and Greathead 2015
Anthrax hemimelas Speiser, 1910
 Zaitzev 2008, **AA**, Ouarzazate, Jebel Tighermine (SE of Ouarzazate)
Anthrax kiritshenkoi Paramonov, 1935
 Evenhuis and Greathead 2015
Anthrax lucidus (Becker, 1902)
 Ebejer et al. 2019, **AA**, Ziz river (13 km N of Erfoud, 800 m)
Anthrax morio Fabricius, 1775
 Mouna 1998; **MA** (Ifrane, Azrou) – MISR
Anthrax trifasciatus (Meigen, 1804)
 = *Argyramoeba trifasciata* Meigen, in Timon-David 1951: 139
 Séguy 1930a, **MA**, Meknès; Timon-David 1951, **AP**, south of Rabat; Mouna 1998; Dils and Özbek 2006; Koçak and Kemal 2010; El Hawagry 2011; Evenhuis and Greathead 2015
Anthrax varius Fabricius, 1794
 Séguy 1930a, **AP**, Rabat; Mouna 1998; Evenhuis and Greathead 2015 – MISR
Anthrax virgo Egger, 1859
 = *Argyramoeba virgo* Egger, in Séguy 1930a: 94
 Séguy 1930a, **AP**, Rabat; Zaitzev 2008, **MA**, Taferiat, **AA**, Jebel Tighermine (SE of Ouarzazate)
Cononedys Hermann, 1907
Cononedys efflatouni (Bezzi, 1925)*
SA
Cononedys escheri Bezzi, 1908
 Zaitzev 2008, **AP**, Skhirate, Rabat
Cononedys lyneborgi (François, 1969)
 Evenhuis and Greathead 2015
Cononedys scutellatus Meigen, 1835
 Zaitzev 2008, **Rif**, Jebala, Haouta el Kazdir, **AA**, Aouzlida near Aoulouz
Satyramoeba Sack, 1909
Satyramoeba hetrusca (Fabricius, 1794)
 Mouna 1998: 84
Spogostylum Macquart, 1840
Spogostylum isis (Meigen, 1820)
 Mouna 1998; Bader and Arabyat 2004; Dils and Özbek 2006; El Hawagry 2011; Karimpour 2012; Evenhuis and Greathead 2015
Spogostylum trinotatum Dufour, 1852
 Mouna 1998: 84

Spogostylum tripunctatum (Pallas in Wiedemann, 1818)

Timon-David 1951, **HA**, Aït Mhamed Sgatt; Mouna 1998; Dils and Özbek 2006; Zaitzev 2008, **AA**, Jebel Tighermine (SE of Ouarzazate); El Hawagry 2011; Karimpour 2012; Evenhuis and Greathead 2015; **HA** (Aïn Mhamed Sgatt) – MISR

***Turkmeniella* Paramonov, 1940**

Turkmeniella croisi (Villeneuve, 1910)

Evenhuis and Greathead 2015

***Exoprosopa* Macquart, 1840**

Exoprosopa aeacus Meigen, 1804

Mouna 1998: 84

Exoprosopa baccha Loew, 1869

Mouna 1998; Zaitzev 1999; Dils and Özbek 2006; Zaitzev 2008; Evenhuis and Greathead 2015

Exoprosopa capucina (Fabricius, 1871)

Mouna 1998: 84

Exoprosopa circeoides Paramonov, 1928

Zaitzev 2008, **AA**, Jebel Tighermine (SE of Ouarzazate)

Exoprosopa cleomene Egger, 1859

Mouna 1998: 84

Exoprosopa decrepita (Wiedemann, 1828)

Zaitzev 2008, **AA**, Zagora

Exoprosopa efflatouni Bezzi, 1925

Zaitzev 2008, **AA**, Jebel Tighermine (SE of Ouarzazate), Ouarzazate, **SA**, Taganint (south of Bou-Izakarn)

Exoprosopa grandis Wiedemann in Meigen, 1820

Mouna 1998; Zaitzev 2008, **HA**, Tishka (2200 m)

Exoprosopa italica (Rossi, 1794)

Zaitzev 2008, **HA**, Taourirt, **AA**, Tizi-n'Taratine, Jebel Tighermine (SE of Ouarzazate), **SA**, Taganint (south of Bou-Izakarn)

Exoprosopa jacchus (Fabricius, 1805)

Séguy 1930a, **AP**, Mogador, Sidi Taibi, **MA**, Tizi-s'Tkrine (1700 m), Dar Salem, Aïn Leuh, **HA**, Bou Tazzert; Mouna 1998; Mirceni and Pârvu 2009; Evenhuis and Greathead 2015; **Rif** (Talassemthane, Forêt Izarine, road of Jebha, Zoumi) – MISR

Exoprosopa minos (Meigen, 1804)

Séguy 1949a, **AA**, Tata; Mouna 1998; Bader and Arabyat 2004; Dils and Özbek 2006; Zaitzev 2008, **MA**, Taferiat; El Hawagry 2011; El Hawagry and Dhafer 2015; Evenhuis and Greathead 2015; **MA** (Jebel Lachhab) – MISR

Exoprosopa pandora (Fabricius, 1805)

Greathead 2001; Bader and Arabyat 2004; Evenhuis and Greathead 2015

Exoprosopa rutila (Pallas & Wiedemann, 1818)

Evenhuis and Greathead 2015

***Micomitra* Bowden, 1964**

Micomitra stupida Rossi, 1790

= *Exoprosopa stupida* Rossi, in Mouna 1998: 84
Mouna 1998

***Plesiocera* Macquart, 1840**

Plesiocera algira (Macquart, 1840)

Zaitzev 2008, **MA**, Taferiat; Evenhuis and Greathead 2015

***Heteralonia* Rondani, 1863**

Heteralonia (Homolonia) megerlei (Hoffmansegg in Wiedemann, 1818)

Zaitzev 2008, **SA**, Goulimine

Heteralonia (Mesoclis) pygmalion (Fabricius, 1805)

= *Exoprosopa pygmalion* Fabricius, in Timon-David 1951: 139

= *Mesoclis pygmalion* Fabricius, 1805, in Zaitzev 2008: 191

Séguy 1930a, **Rif**, Tanger, **AP**, Maâmora, Rabat, **MA**, Aïn Leuh; Timon-David 1951, **AP**, Temara; Mouna 1998; Zaitzev 2008, **AP**, Cherrat El Hawagry 2011; Evenhuis and Greathead 2015

Heteralonia (Zygodiola) algira (Fabricius, 1794)

Séguy 1930a, **Rif**, Tanger, **AP**, Mogador, **HA**, Bou Tazzert; Mouna 1998; Zaitzev 2008, **HA**, Tifnite (south of Aït Melloul); El Hawagry 2011; Evenhuis and Greathead 2015

Heteralonia (Zygodiola) bagdadensis (Macquart, 1840)

Zaitzev 2008, **AA**, Zagora

Heteralonia (Zygodiola) singularis (Macquart, 1840)

Bader and Arabyat 2004; Evenhuis and Greathead 2015

Heteralonia arenacea Becker, 1906

Evenhuis and Greathead 2015

Heteralonia dispar (Loew, 1869)

= *Exoprosopa dispar* Loew, in Timon-David 1951: 139

Timon-David 1951, **HA**, Marrakech; Mouna 1998; Dils and Özbek 2006; Evenhuis and Greathead 2015

Heteralonia rivularis (Meigen, 1820)

= *Exoprosopa rivularis* Meigen, in Timon-David 1951: 139

Séguy 1930a, **AP**, Rabat, Maâmora; Timon-David 1951, **AP**, Oued Akreuch; Mouna 1998; Zaitzev 1999; Bader and Arabyat 2004; Zaitzev 2008, **AP**, Rabat

***Oestranthrax* Bezzi, 1921**

Oestranthrax brunnescens (Loew, 1857)

Bader and Arabyat 2004

Oestranthrax pallifrons Bezzi, 1926

Evenhuis and Greathead 2015

***Pachyanthrax* François, 1964**

Pachyanthrax albosegmentatus (Engel, 1936)

Zaitzev 2008, **AA**, Jebel Tighermine (south of Ouarzazate)

Pachyanthrax nomadorum (Greathead, 1970)

Koçak and Kemal 2010; Evenhuis and Greathead 2015

Exhyalanthrax* Becker, 1916Exhyalanthrax afer* (Fabricius, 1794)= *Anthrax tangerinus* Bigot, 1892

Bezzi 1906; Mouna 1998; Bader and Arabyat 2004; Dils and Özbek 2006; Zaitzev 2008; El Hawagry 2011; Evenhuis and Greathead 2015, **Rif**, Tanger; **MA** (Ifrane) – MISR

Hemipenthes* Loew, 1869Hemipenthes morio* (Linnaeus, 1758)

Séguy 1930a, **MA**, Azrou, **HA**, Arround (Skoutana, 2000–2400 m); Dils and Özbek 2006; Koçak and Kemal 2010; Karimpour 2012; Evenhuis and Greathead 2015; **MA** (Azrou, Ifrane) – MISR

Hemipenthes velutinus (Meigen, 1820)

Séguy 1930a, **MA**, Azrou; Mouna 1998; Bader and Arabyat 2004; Dils and Özbek 2006; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Thyridanthrax* Osten-Sacken, 1886Thyridanthrax alphonsi* Sánchez Terrón and Roldan Bravo, 2000

Sánchez Terrón and Roldan Bravo 2000

Thyridanthrax elegans ssp. *elegans* (Wiedemann in Meigen, 1820)

Séguy 1930a, **AP**, Rabat; Mouna 1998; Dils and Özbek 2006; El Hawagry 2011; Evenhuis and Greathead 2015; **AP** (Oued Cherrat, Rabat), **MA** (Volubilis) – MISR

Thyridanthrax fenestratus (Fallén, 1814)

Séguy 1926; Séguy 1930a, **EM**, Berkane (1350–1400 m); Mouna 1998; El Hawagry 2011; Evenhuis and Greathead 2015; **Rif** (Tomorot) – MISR

Thyridanthrax griseolus Klug, 1832Zaitzev 2008, **SA**, Taganint (south of Bou-Izakarn)*Thyridanthrax hispanus* (Loew, 1869)Becker and Stein 1913, **Rif**, Tanger; Sánchez Terrón and Roldan Bravo 2000*Thyridanthrax incanus* (Klug, 1832)= *Anthrax incana* Klug, 1832, in Séguy 1953a: 83

Séguy 1930a, **AP**, Oued Korifla (Zaers); Timon-David 1951, **AP**, Zaer; Séguy 1953a, **MA**, Tarda; Mouna 1998; Bader and Arabyat 2004; Dils and Özbek 2006; El Hawagry 2011; Karimpour 2012; Evenhuis and Greathead 2015

Thyridanthrax loustai Andréu Rubio, 1961

Sánchez Terrón and Roldan Bravo 2000

Thyridanthrax maroccanus Dils, 2012Dils 2012, **AA**, Ouarzazate, Skoura (1250 m), Amerzgane (1350 m)*Thyridanthrax mutilus* (Loew, 1869)***AA***Thyridanthrax nebulosus* (Dufour, 1852)

Becker and Stein 1913, **Rif**, Tanger; Andréu Rubio 1959; Mouna 1998; Sánchez Terrón and Roldan Bravo 2000, **Rif**, Benibuifur, Melilla, Restinga; Evenhuis and Greathead 2015

Thyridanthrax perspicillaris ssp. *perspicillaris* (Loew, 1869)

Séguy 1930a, **MA**, Aïn Leuh, Forêt Azrou, **HA**, Tizi-n'Test, Jebel Imdress (2000–2450 m), Goundafa; Mouna 1998; Bader and Arabyat 2004; Dils and Özbek 2006; El Hawagry 2011; Evenhuis and Greathead 2015

Thyridanthrax polyphemus (Hoffmansegg, 1819)

Séguy 1930a, **MA**, Volubilis (400 m); Mouna 1998; Bader and Arabyat 2004; Dils and Özbek 2006; Karimpour 2012; Evenhuis and Greathead 2015

Veribubo Evenhuis, 1978

Veribubo angusteoculatus (Becker, 1902)

Zaitzev 2008, **AA**, Zagora

Veribubo saudensis (François, 1970)*

AA

Veribubo tabaninus (François, 1970)*

AA, SA

Villa Lioy, 1864

Villa brunnea Becker, 1916

Mouna 1998: 84

Villa ceballosi Andréu Rubio, 1959

Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Villa cingulata Meigen, 1804

Mouna 1998; **AP** (Rabat, Casablanca), **MA** (Volubilis, Fès) – MISR

Villa distincta (Meigen in Waltl, 1835)

Dils and Özbek 2006; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Villa fasciata (Meigen, 1804)

= *Villa circumdata* (Meigen), in Séguy 1941a: 29

Séguy 1930a, **AP**, Rabat; Séguy 1941a, **AP**, Rabat, **HA**, Tachdirt (Toubkal, 2500 m); Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Villa hottentotta (Linnaeus, 1758)

= *Anthrax hottentotus* Linnaeus, in Séguy 1926: 198, Séguy 1930a: 92, Bléton and Fleuzet 1939: 64

Séguy 1930a, **AP**, Rabat, **MA**, Aïn Leuh; Bléton and Fleuzet 1939, **MA**, Fès; Séguy 1941d, **HA**, Tizi-n'Test; Mouna 1998; Dils and Özbek 2006; Evenhuis and Greathead 2015 – MISR

Villa ixion (Fabricius, 1794)

Dils and Özbek 2006; Koçak and Kemal 2010; Karimpour 2012; Evenhuis and Greathead 2015

Villa laevis Becker, 1915

Bader and Arabyat 2004; Dils and Özbek 2006; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Villa leucostoma (Meigen, 1820)

Mouna 1998: 84; **AP** (Bou-Regreg) – MISR

Villa luculenta Séguy, 1941

Séguy 1941d, **AA**, Taroudant; Mouna 1998; Koçak and Kemal 2010; Evenhuis and Greathead 2015

Villa niphobleta (Loew, 1869)

Bader and Arabyat 2004; Koçak and Kemal 2010; Karimpour 2012; Evenhuis and Greathead 2015

Villa venusta (Meigen, 1820)

Mouna 1998: 84

Desmatoneura* Williston, 1895Desmatoneura albifacies* (Macquart, 1840)

Ebejer et al. 2019, **AA**, Merzouga (714 m)

Desmatoneura flavifrons Becker, 1915

Zaitzev 2008, **AA**, Ouarzazate, Taroudant, Jebel Tighermine (SE of Ouarzazate)

Petrorossia* Bezzi, 1908Petrorossia albula* Zaitzev, 1962

Zaitzev 1999; Bader and Arabyat 2004; Zaitzev 2008, **AA**, Jebel Tighermine (SE of Ouarzazate); El Hawagry 2011; Evenhuis and Greathead 2015

Petrorossia freidbergi Zaitzev, 1999

Zaitzev 2008, **AA**, Jebel Tighermine (SE of Ouarzazate)

Petrorossia hespera (Rossi, 1790)

Séguy 1949a, **AA**, Tata; Mouna 1998; Zaitzev 1999; Dils and Özbek 2006; El Hawagry 2011; Evenhuis and Greathead 2015; **AP** (Bou-Regreg), **MA** (Timahdit) – MISR

Petrorossia margaritae Zaitzev, 1999

Zaitzev 2008, **AA**, Ouarzazate, Jebel Tighermine (SE of Ouarzazate)

New records for Morocco*Amictus setosus* Loew, 1869

Atlantic Plain: Rommani, Marmouch, 33.568°N, 06.533°W, 400 m, 1♂1♀, Dils J.- Faes J., coll: PCJD.

Aphoebantus wadensis Becker, 1925

Sahara: Tata, 9 km. W Tissint, 29.851°N, 07.265°W, 535 m, 1♂1♀, 03.iii.2007, Dils J.- Faes J., coll: PCJD.

Bombylius (Unplaced) *megacephalus* Portschinsky, 1887

Eastern Morocco: Figuig, Abbou Lakhal, 32.1587°N, 01.507°W, 1050 m, 1♀, 07.iii.2009, Dils J.- Faes J., coll: PCJD.

Anti Atlas: Tiznit, 84 km. SSE Guelmim, 28.631°N, 10.75522°W, 235 m, 1♂, 27.ii.2007, Dils J.- Faes J., coll: PCJD; Tiznit, Abaynou, 29.057°N, 10.026°W, 360 m, 1♀, 13.iii.2009, Dils J.- Faes J., coll: PCJD.

Cononedys efflatouni Bezzi, 1925

Sahara: Guelmim, Souk Tnine Nouaday, 29.166°N, 09.279°W, 680 m, 2♂3♀, 07.iv.2015, Dils J.- Faes J., coll: PCJD.

Conophorus bellus Becker, 1906

High Atlas: Marrakech, Oukaïmeden, 31.233°N, 07.817°W, 2200 m, 3♂, 06.iv.2006, Dils J.- Faes J., coll: PCJD.

Crocidium aegyptiacum Bezzi, 1925

Anti Atlas: Tiznit, Mesti, 29.274°N, 10.139°W, 280 m, 1♂, 23.iii.2006, Dils J.- Faes J., coll: PCJD.

Sahara: Tata, 28 km E of Tachjicht, 29.106°N, 09.149°W, 700 m, 1♀, 02.iii.2007, Dils J.- Faes J., coll: PCJD.

Crocidium nudum Efflatoun, 1945

Eastern Morocco: Oujda, Plateau du Rekkam, 33.839°N, 02.55781°W, 1150 m, 1♀, 25.iv.2010, Dils J.- Faes J., coll: PCJD.

Anti Atlas: Agadir, Imsouane, 30.885°N, 09.780°W, 270 m, 3♂13♀, 09.iv.2009, Dils J.- Faes J., coll: PCJD; Ouarzazate, Amerzgane, 31.024°N, 07.223°W, 1370 m, 17♂12♀, 31.iii.2006, Dils J.- Faes J., coll: PCJD; Taliouine, 18 km. W of Taliouine, 30.6003°N, 08.082°W, 900 m, 2♀, 24.iii.2009, Dils J.- Faes J., coll: PCJD; Taroudant, Tafinegoult, 30.734°N, 08.430°W, 680 m, 3♀, 24.iii.2009, Dils J.- Faes J., coll: PCJD; Tiznit, Arbaa Sahel, 29.657°N, 09.869°W, 320 m, 11♂26♀, 21.iii.2006, Dils J.- Faes J., coll: PCJD.

Cytherea albolineata Bezzi, 1925

Sahara: Guelmim, Tainzirt, 29.121°N, 09.333°W, 670 m, 1♀, 31.iii.2010, Dils J.- Faes J., coll: PCJD.

Geron intonsus Bezzi, 1925

Middle Atlas: Khenifra, Boulôjoul, 32.873°N, 04.945°W, 1500 m, 7♂10♀, 26.iv.2008, Dils J.- Faes J., coll: PCJD.

High Atlas: Midelt, 32.680°N, 04.677°W, 1400 m, 2♂2♀, 20.iv.2015, Dils J.- Faes J., coll: PCJD; Midelt, Zeïda, 32.781°N, 04.964°W, 1500 m, 9♂11♀, 24.iv.2015, Dils J.- Faes J., coll: PCJD.

Legnotomyia fascipennis Bezzi, 1925

Anti Atlas: Zagora, Tazarinne, 30.798°N, 05.584°W, 900 m, 1♂, 07.iii.2007, Dils J.- Faes J., coll: PCJD.

Sahara: Tata, 9 km W of Tissint, 29.851°N, 07.265°W, 535 m, 2♂1♀, 03.iii.2007, Dils J.- Faes J., coll: PCJD.

Thevenetimyia quedenfeldti (Engel, 1885)

Rif: Tanger-Tétouan, Souk El Kolla (Quolla), 35.083°N, 05.538°W, 150 m, 5♂4♀, 30.iv.2017, Dils J.- Faes J., coll: PCJD.

Atlantic Plain: Rommani, Merchouch, 33.568°N, 06.753°W, 400 m, 5♂22♀, 04.v.2010, Dils J.- Faes J., coll: PCJD.

Middle Atlas: Tadla-Azilal, Afourer, 32.180°N, 06.520°W, 1150 m, 5♂10♀, 07.v.2008, Dils J.- Faes J., coll: PCJD; Béni Mellal, El Ksiba, 32.576°N, 06.050°W, 870 m, 7♂23♀, 23.iv.2008, Dils J.- Faes J., coll: PCJD.

Thyridanthrax mutilus Loew, 1869

Anti Atlas: Tiznit, Sidi Ifni, 29.384°N, 10.172°W, 0 m, 7♂1♀, 10.iv.2008, Dils J.- Faes J., coll: PCJD.

Veribubo saudensis François, 1970

Anti Atlas: Erfoud, Tikkert-N-Ouchane, 31.223°N, 04.784°W, 830 m, 1♂3♀, 03.iv.2009, Dils J.- Faes J., coll: PCJD.

Veribubo tabaninus François, 1970

Anti Atlas: Ouarzazate, Amerzgane, 31.024°N, 07.223°W, 1370 m, 2♂9♀, 31.iii.2006, Dils J.- Faes J., coll: PCJD; Erfoud, Tikkert-N-Ouchane, 31.250°N, 04.617°W, 860 m, 1♀, 07.iii.2007, Dils J.- Faes J., coll: PCJD; Ouarzazate, Amerzgane, 31.017°N, 07.229°W, 1350 m, 6♂27♀, 25.iii.2009, Dils J.- Faes J., coll: PCJD; Ouarzazate, Amerzgane, 31.017°N, 07.229°W, 1350 m, 12♂8♀, 25.iii.2009, Dils J.- Faes J., coll: PCJD; Ouarzazate, 30.847°N, 06.817°W, 1200 m, 1♀, 30.iii.2009, Dils J.- Faes J., coll: PCJD. Sahara: Guelmim, Tainzirt, 29.121°N, 09.333°W, 670 m, 22♀, 31.iii.2010, Dils J.- Faes J., coll: PCJD.

MYDIDAE

K. Kettani, T. Dikow

Number of species: **9**. Expected: 10

Faunistic knowledge of the family in Morocco: moderate

Leptomydinae

***Leptomydas* Gerstaecker, 1868**

Leptomydas lusitanicus (Wiedemann, 1820)

Mouna 1998

Rhopaliinae

***Rhopalia* Macquart, 1838**

Rhopalia berlandi Séguy, 1949a: 153

Séguy 1949a, **AA**, Tagounit, Asni; Mouna 1998; Dikow 2017

***Perissocerus* Gerstaecker, 1868**

Perissocerus rungsi Séguy, 1953

Séguy 1953a, **SA**

Syllegomydinae

Syllegomydini

***Syllegomydas* Becker, 1906**

Syllegomydas algiricus (Gerstaecker, 1868)

= *Rhopalia algirica* Gerstaecker, in Séguy 1928c: 149

Gerstaecker 1868, **AP**, Casablanca; Séguy 1928c, **AP**, Rabat; Séguy 1930a, **AP**, Rabat; Mouna 1998; El Hawagry 2011; Dikow 2017

Syllegomydas berlandi (Séguy, 1941)

Séguy 1941, **AA**, Agadir; Dikow 2017

Syllegomydas buenii Arias, 1914

Arias 1914, **AA**, Tafilalt; Séguy 1928c; Séguy 1930a; Carles-Tolrá 2015; Carles-Tolrá 2017, **EM**, Mariouri, Trifa; Dikow 2017

Syllegomydas cinctus Macquart, 1835

Macquart 1835, **MA**, Immouzer road, **AA**, Agadir, Taroudant; Séguy 1930a; Mouna 1998; Carles-Tolrá 2017, **EM**, Quebdana, douar Shila, **AA**, Agadir coast; Dikow 2017

Syllegomydas maroccanus Séguy, 1928

Séguy 1928c, **AP**, Kénitra, Rabat, Oued Korifla, Forêt Zaers; Séguy 1930a, **AP**, Rabat, Temara, Oued Korifla, Forêt Zaers; Séguy 1932c; Mouna 1998; Carles-Tolrá 2017, **AP**, Larache, Ras Remel; Dikow 2017; **AP** (Kénitra) – MISR

Syllegomydas merceti Arias, 1914

Arias 1914, **AP**, Mogador; Séguy 1930a; Mouna 1998; El Hawagry 2011, **AP**, Mogador; Dikow 2017

MYTHICOMYIIDAE

K. Kettani, N. Evenhuis

Number of species: **8**. Expected: 15

Faunistic knowledge of the family in Morocco: poor

Empidideicinae

***Empidideicus* Becker, 1907**

Empidideicus crocea Séguy, 1949

= *Cyrtosia crocea* Séguy, in Séguy 1949a: 85

Séguy 1949a, **SA**, Guelmim; Séguy 1949c; Mouna 1998; Evenhuis 2002

Glabellulinae

***Glabellula* Bezzi, 1902**

Glabellula maroccana Evenhuis & Kettani, 2018

Evenhuis and Kettani 2018, **Rif**, Adrou (PNPB) – BPBM, MISR

***Leylaiya* Efflatoun, 1945**

Leylaiya pellea Evenhuis & Kettani, 2018

Evenhuis and Kettani 2018, **AA**, Tiznit – BPBM

Mythicomyiinae

***Mythenteles* Hall & Evenhuis, 1991**

Mythenteles signifera Evenhuis & Kettani, 2018

Evenhuis and Kettani 2018, **Rif**, Talassemrane (maison forestière, 1699 m) – BPBM, MISR

Platypyginae

***Cyrtisiopsis* Séguy, 1930**

Cyrtisiopsis melleus (Loew, 1856)

Evenhuis 2002; Zaitzav 2008, **AA**, Jebel Tighermine (SE Ouarzazate); Koçak and Kemal 2010; El Hawagry 2011

Cyrtisiopsis singularis Séguy, 1930

Evenhuis 2002

***Cyrtosia* Perris, 1839**

Cyrtosia aglota Séguy, 1930

Evenhuis 2002

Cyrtosia marginata Perris, 1839

Séguy 1930a, **HA**; Mouna 1998; Evenhuis 2002; Evenhuis and David 2004

SCENOPINIDAE

K. Kettani, M. Carles-Tolrá

Number of species: **8** (+3 unidentified). Expected: 12

Faunistic knowledge of the family in Morocco: good

Scenopininae

***Scenopinus* Latreille, 1802**

Scenopinus albicinctus (Rossi, 1794)

= *Omphrale albicincta* Rossi, in Séguy 1930a: 110

Séguy 1930a; Mouna 1998

Scenopinus fenestralis (Linnaeus, 1758)

= *Omphrale fenestralis* Linnaeus, in Séguy 1930a: 110

Séguy 1930a; Mouna 1998

Scenopinus glabrifrons Meigen, 1824

= *Omphrale glabrifrons* Meigen, in Séguy 1930a: 110

Séguy 1930a, **MA**, Aïn Leuh; Mouna 1998

Scenopinus niger (De Geer, 1776)

Becker and Stein 1913, **Rif**, Tanger; Mouna 1998

Scenopinus parallelus Kelsey, 1969

Kelsey 1969, **AP**, Villa Cisneros (Dakhla), **SA**, Río de Oro (Oued Eddahab)

Scenopinus physadius (Séguy, 1930)

= *Omphrale physadia* Séguy, in Séguy 1930a: 111

Séguy, 1930, **EM**, Bou Denib; Kelsey 1969, **EM**, Bou Denib; Mouna 1998

Scenopinus pilosus (Séguy, 1930)

= *Omphrale pilosa* Séguy, in Séguy 1930a: 111

Séguy 1930a, **AP**, Bou Knadel; Kelsey 1969, **AP**, Bou Knadel; Mouna 1998; Carles-Tolrá 2001

Scenopinus undescribed sp. 1

Ebejer et al. 2019, **Rif**, Martil (9 m)

Scenopinus undescribed sp. 2

Ebejer et al. 2019, **Rif**, Adrou (556 m)

***Stenomphrale* Kröber, 1937**

Stenomphrale teutankhameni (Kröber, 1923)

Ebejer et al. 2019, **AP**, forest of Maâmora (56 m)

Stenomphrale sp.

AP (Essaouira (J.-P. Haenni leg.)) – MHNN Neuchâtel

THEREVIDAE

K. Kettani, M. Hauser

Number of species: **27**.

Faunistic knowledge of the family in Morocco: moderate

Phycusinae

Phycusini

***Actorthia* Kröber, 1912**

Actorthia micans (Kröber, 1924)

Kröber 1924, **AA**, Errachidia (45 km S Erfoud), Merzouga

***Phycus* Walker, 1850**

Phycus lacteipennis Lyneborg, 2002

Lyneborg 2002, **AA**, 25 km S Goulmima (1000 m), **SA**, Mekn s-Tafilalet; Winterton et al. 2012; Badrawy and Mohammad 2013

***Salentia* Costa, 1857**

Salentia anancitis (Séguy, 1941)

= *Apioeicoceras anancitis* Séguy, in Séguy 1941d: 10

Séguy 1941d, **AA**, Agadir; Mouna 1998

Salentia costalis (Wiedemann, 1824)

= *Apioeicoceras costalis* Wiedemann, in Séguy 1930a: 108

Wiedemann 1824, **AP**, Mogador, **HA**, Marrakech-Tensift-Al Haouz; Séguy 1930a; Mouna 1998; Koçak and Kemal 2010

Salentia fuscipennis Costa, 1857

Costa 1857, **Rif**, Tanger, **AA**, Tagadirt (Agadir); Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **HA**, Bou Knadel, Tinmel; Mouna 1998

Therevinae

Therevini

***Acanthothereva* Séguy, 1935**

Acanthothereva rungsi Séguy, 1935

Séguy 1935b, **AP**, Mehdiya (20 km S Rabat); Lyneborg 1968; Koçak and Kemal 2010; **Rif** (Cap Spartel) – MISR

***Acrosathe* Irwin & Lyneborg, 1981**

Acrosathe annulata (Fabricius, 1805)

Ebejer et al. 2019, **Rif**, Oued Kbir (Béni Ratene, 157 m)

***Chrysanthemyia* Becker, 1912**

Chrysanthemyia chrysanthemi (Fabricius, 1787)

Fabricius 1787, **EM**, Béni Snassen Mountains, Tafouralt (800 m); Séguy 1930a, **MA**, Meknès, Berrechid; Mouna 1998; **MA** (Oued Grou, Timahdit) – MISR

Chrysanthemyia velutinifrons (Becker, 1912)

= *Chrysanthemyia lucidifrons* Becker 1912: 81

= *Oedicera velutinifrons* Becker, in Becker and Stein 1913: 82

Becker 1912, **Rif**, Region de Tanger-Tétouan, Cercle d'Ouezzane (300 m), **AP**, 3 km S Settati, **EM**, Figuig, **MA**, Fès-Boulmane, Sidi Harazem (223 m); Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **MA**, Meknès; Mouna 1998; **MA** (Oued Grou) – MISR

***Hoplosathe* Lyneborg & Zaitsev, 1980**

Hoplosathe distincta Lyneborg & Zaitsev, 1980

Lyneborg and Zaitsev 1980, **HA**, Oued Tensift (Marrakech)

***Neotherevella* Lyneborg, 1978**

Neotherevella macularis (Wiedemann, 1828)

Hauser et al. 2017, **AA**, Tifnite (10 Km S Agadir), Merzouga (45 Km S Erfoud)

***Thereva* Latreille, 1797**

Thereva atra Kröber, 1913

El Hawagry 2011

Thereva aureoscutellata Kröber, 1914

Ebejer et al. 2019, **Rif**, Moulay Abdelsalam (965 m)

Thereva binotata Loew, 1847

Koçak and Kemal 2010

Thereva bipunctata Meigen, 1820¹⁶

Ebejer et al. 2019, **MA**, Khénifra (17 km SW of Midelt, 1940 m; 17 km NW of Zaida, 1878 m; 28 km S of Timahdit, 2100 m), Lac Aguelmane Afennourir (30 km SW of Azrou, 2050 m)

16 *Thereva bipunctata* has been considered a junior synonym of *unica*, but these are valid sister species because of differences in the aedeagus between the southern and northern populations (Ebejer pers. comm.).

Thereva brevicornis Loew, 1847¹⁷

Pârvu et al. 2006, **AP**, Cap Sim; Popescu-Mirceni 2011

Thereva chrysargyrea Séguy, 1953

Séguy 1953a, **SA**, Amguilli Sguelma

Thereva cincta Meigen, 1820

Ebejer et al. 2019, **Rif**, Oued Aliane (Ksar Sghir, 1 m)

Thereva funebris Meigen, 1820¹⁸

= *Thereva lugubris* Meigen

Mouna 1998; **AP** (Rabat), **MA** (Ifrane) – MISR

Thereva graeca Kröber, 1912³

Séguy 1930a, **Rif**, Tanger; Mouna 1998

Thereva plebeja (Linnaeus, 1758)³

Séguy 1953a, **AA**, Tifnit (Souss); Mouna 1998; **MA** (Ras el Ma) – MISR

Thereva powelli Séguy, 1930

Séguy 1930a, **MA**, Forêt Azrou; **MA** (Ras el Ma) – MISR

Thereva piloptera Wiedemann, 1824

Wiedemann 1824, **HA**, Ouirgane (Marrakech, 1000 m); Séguy 1930a, **Rif**, Tanger, **AP**, Mogador, **MA**, Meknès; Séguy 1953a, **AP**, Temara; Mouna 1998; El Hawagry 2011

Thereva spinulosa Loew, 1847

Loew 1847, **AP**, Maâmora, **MA**, Khemisset

Thereva stigmatica Kröber, 1912

EL-Hawagy 2011, **Rif**, Tanger

Thereva strigata (Fabricius, 1794)¹⁹

Koçak and Kemal 2010

Thereva tuberculata Loew, 1847

= *Thereva algerica* Kröber, 1913, in Séguy 1953a: 83

Loew 1847, **AP**, Salé; Séguy 1930a, **MA**, Meknès; Séguy 1953a, **AP**, Salé; Mouna 1998; Koçak and Kemal 2010

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17 *Thereva brevicornis* may be a misidentification of authors. *Thereva brevicornis* is more central European in distribution, and is not found in Spain.

18 *Thereva funebris*, *Thereva graeca*, and *Thereva plebeja* are cited only on the basis of the list of Diptera species present in the collections of the MISR published by Mouna (1998). The identifications of this material could not be verified.

19 *Thereva strigata* may be a misidentification of authors.

Empidoidea

ATELESTIDAE

K. Kettani, P. Gatt

Number of species: **1**. Expected: 1

Faunistic knowledge of the family in Morocco: poor

***Atelestus* Walker, 1837**

Atelestus sp. nov.

Ebejer et al. 2019, **Rif**, Dardara (484–730 m), Aïn Tissemlal (Azilane, 1255 m),
Douar El Hamma (338 m), Chrabkha pond (Al Manzla, 58 m)

EMPIDIDAE

K. Kettani, C. Daugeron

Number of species: **40**. Expected: 100

Faunistic knowledge of the family in Morocco: poor

Clinocerinae

***Clinocera* Meigen, 1803**

Clinocera maroccana (Séguy, 1941): 29 (= *Hydrodromia*)

= *Atalanta* (*Hydrodromia*) *algira* (Vaillant, 1952): 65

Séguy 1941a, **HA**, Anrhemer (Toubkal, 2500 m); Vaillant 1956b, **HA**, Sidi
Chamarouch; Vaillant 1964; Dakki 1997

Clinocera megalatlantica (Vaillant, 1957): 65 (= *Atalanta* (*Atalanta*))

Vaillant 1956b, **HA**; Dakki 1997

Clinocera nigra Meigen, 1804: 292

= *Heleodromia unicolor* (Curtis, 1834): plate 513, *Paramesia roberti* (Macquart,
1835): 657

Vaillant 1956b, **HA**, Izourar, Sidi Chamarouch, Aguelmous; Dakki 1997

***Dolichocephala* Meigen, 1803**

Dolichocephala ocellata (Costa, 1858): 7 (= *Ardoptera*)

= *oculata* (Loew, 1858–7): 7 (= *Ardoptera*)

= *novemguttata* (Strobl, 1893): 98 (= *Ardoptera*)

= *albohalterata* (Strobl, 1898): 399 (= *Ardoptera*)

= *barbarica* Vaillant, 1952: 65

= *algira* Vaillant, 1957: 64

Vaillant 1956b, **HA**, Imi-N'Ifri; Dakki 1997

Dolichocephala pavonica Vaillant & Gagneur, 1998: 380

Vaillant and Gagneur 1998, **HA**, Demnat

Kowarzia Mik, 1881

Kowarzia barbatula (Mik, 1880): 347 (= *Clinocera*)

= *Clinocera dorieri* (Vaillant, 1968): 88

Vaillant 1956b, **HA**, Cascade Siroua, Lac Tamhda (Anremer), Aguelmous, Sidi Chamarouch, Izourar, Oukaïmeden; Dakki 1997; Vaillant and Moubayed 1998

Kowarzia bipunctata (Haliday, 1833) (= *Heleodromia*)

Vaillant 1956b, **HA**, Oukaïmeden; Vaillant 1964; Dakki 1997

Kowarzia dieuzedei Vaillant, 1953: 60

Vaillant 1956b, **HA**, Lac Tamhda (Anremer); Vaillant 1964, **HA**; Dakki 1997

Kowarzia madicola (Vaillant, 1965): 152 (= *Atalanta*)

Vaillant 1956b, **HA**, Tahanaout

Kowarzia tenella (Wahlberg, 1844): 107 (= *Parmesia*)

= *Heleodromia zetterstedti* (Walker, 1851): 105

= *Wiedemannia securigera* (Engel, 1918): 70

Vaillant 1956b, **HA**, Cascade Siroua, Lac Tamhda (Anremer), Aguelmous, Sidi Chamarouch, Izourar, Oukaïmeden; Dakki 1997; Vaillant and Moubayed 1998

Wiedemannia Zetterstedt, 1838

Wiedemannia (Chamaedipsia) beckeri (Mik, 1889): 71 (= *Chamaedipsia*)

= *jugorum* (Strobl, 1893): 105 (= *Chamaedipsia*)

= *crinita* Engel, 1918: 217 (as var. of *W. beckeri*)

= *alticola* Vaillant, 1951: 54

= *alpina* Vaillant, 1967: 274 (as ssp. of *W. beckeri*)

= *glaciola* Wagner, 1985: 86 (as ssp. of *W. beckeri*; new name for *W. beckeri alpina* Vaillant)

Dakki 1997

Wiedemannia (Chamaedipsia) mgounica Vaillant, 1957: 69

Vaillant 1956a, **HA**, M'Goum; Dakki 1997

Wiedemannia (Philolutra) azurea (Vaillant, 1951): 3 (= *Philolutra*)

El Mezdi and Giudicelli 1985, **HA**, Khetarar Marrakech; Dakki 1997; Vaillant and Moubayed 1998

Wiedemannia (Philolutra) fallaciosa Loew, 1873: 44

Vaillant 1964, **HA**; Dakki 1997

Wiedemannia (Philolutra) fallaciosa ssp. *litardierei* Vaillant, 1957: 67

Vaillant 1956a, **HA**; Dakki 1997

Wiedemannia (Roederella) ouedorum Vaillant, 1952: 371

= *ouedorum* (error) Vaillant, 1978: 469

Vaillant 1964, **HA**; Dakki 1997

Hemerodromiinae**Hemerodromia Meigen, 1822**

Hemerodromia bethiana Vaillant & Gagneur, 1998

Vaillant and Gagneur 1998, **MA**, Tigrigra (Azrou)

- Hemerodromia subapicalis* Yang, Zhang & Zhang, 2007
 = *Hemerodromia apicalis* Vaillant and Gagneur 1998: 372 (preoccupied by Smith, 1969)
 Vaillant and Gagneur 1998, **HA**, Oum-er-Rbia; Yang et al. 2007
- Hemerodromia tigrigrana* Vaillant & Gagneur, 1998
 Vaillant and Gagneur 1998, **MA**, Tigrigra (Azrou)
- Hemerodromia todrhana* (Vaillant, 1956)
 Vaillant 1956, **HA**, Todrha; El Mezdi and Guidicelli 1985; Dakki 1997; Vaillant and Gagneur 1998
- Hemerodromia zarcana* Vaillant & Moubayed, 1998
 Vaillant and Gagneur 1998, **MA**, Tigrigra (Azrou)

Empidinae

Empidini

***Empis* Linnaeus, 1758**

- Empis* (*Coptophlebia*) *confluens* Becker, 1907
MA (Meknès), 19.v.1997, K. Deneš leg. – OUMNH
- Empis* (*Empis*) *decora* Meigen, 1822
 Bahid 2018, **Rif**, Oued Tkarar (PNPB); Ebejer et al. 2019, **Rif**, Oued Nakhla, Moulay Abdelsalam
- Empis* (*Empis*) *nikita* Shamshev, 2018
 Shamshev 2018, **AP**, Essaouira
- Empis* (*Kritempis*) *taffertensis* Daugeron, 2009
 Daugeron 2009, **MA**, forest of Taffert; Bahid 2018
- Empis* (*Leptempis*) *tenuis* Bahid & Daugeron, 2017
 Bahid et al. 2017, **MA**, Tizi-s'Tkrine (Jebel Amar, 1760 m); Bahid 2018
- Empis* (*Pachymeria*) *suberis* Becker, 1907
 Ebejer et al. 2019, **Rif**, Moulay Abdelsalam, Issaguen, Bab Berred, Jebel Lakraâ
- Empis* (*Polyblepharis*) *eumera* Loew, 1866
 Ebejer et al. 2019, **MA**, Ifrane
- Empis* (*Xanthempis*) *chopardi* Daugeron, 1997
 Daugeron 1997, **MA**, Ifrane; Daugeron 2000; Bahid 2018
- Empis* (*Xanthempis*) *edithae* Daugeron, 1997
 Daugeron 1997, **HA**, High Imminen, Tachdirt; Daugeron 2000; Bahid 2018
- Empis* (*Xanthempis*) *ifranensis* Daugeron, 1997
 Daugeron 1997, **MA**, Ifrane; Daugeron 2000; Bahid 2018
- Empis* (*Xanthempis*) *styriaca* (Strobl, 1893)
 Chvála and Wagner 1989, **HA** [doubtful record]; Bahid 2018
- Empis* (*Xanthempis*) *widanensis* Bahid & Daugeron, 2018
 Bahid et al. 2018, **Rif**, Dayat Bayan Widane, Aïn Sedraouia, Tazia, Anissar, Lalla Outka

Rhamphomyia* Meigen, 1822Rhamphomyia* (*Rhamphomyia*) *maroccana* Collin, 2009Chvála and Wagner 1989, **MA**, Ifrane; Collin 2009, **MA**, Ifrane; Bahid 2018, **Rif**, Oued Akrir (Fifi)*Rhamphomyia* (*Holoclera*) *tenuipes* Becker, 1907***AP**, Haenni pers. comm.

Hilarini

Hilara* Meigen, 1822Hilara algecirasensis* Strobl, 1899Ebejer et al. 2019, **MA**, Lac Aguelmane Afennourir, **HA**, Ziz river*Hilara almeriensis* Strobl, 1906Chvála 2008, **AA**, Tifouloute (1146 m)*Hilara fusitibia* Strobl, 1899Chvála 2008, **MA**, Ifrane (Forêt de Cédres, 1500 m)*Hilara longeciliata* Strobl, 1906Chvála 2008, **AP**, Rabat (near Oued Bou-Regreg, 0–10 m)*Hilara schachti* Chvála, 2008Chvála 2008, **MA**, Ifrane (Ghabat al Behar, 1650–1700 m); Bahid 2018**New record for Morocco***Rhamphomyia* (*Holoclera*) *tenuipes* Becker, 1907

Atlantic Plain: Essaouira, 6 km W, 3.iv.2002, Forêt de genévriers pâturée, 1♂1♀, J.-P. Haenni leg., coll. MHNN.

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DOLICHOPODIDAE

K. Kettani, I.Ya. Grichanov, O.P. Negrobov

Number of species: **112**. Expected: 300

Faunistic knowledge of the family in Morocco: poor

Diaphorinae

Argyra* Macquart, 1834Argyra argentina* Meigen, 1824Parent 1924, **Rif**, Cap Spartel, Tétouan; Parent 1927, **Rif**, Tétouan

Argyra argyria (Meigen, 1824)

Parent 1924 (females only), **Rif**, Cap Spartel, Tétouan; Kechev and Ivanova 2015

Argyra biseta Parent, 1929

Parent 1929a, **Rif**, Tanger; Vaillant 1955a

Argyra grata Loew, 1857²⁰

Negrobov 1991 (no material provided)

Asyndetus* Loew, 1869Asyndetus separatus* (Becker, 1902)

Ebejer et al. 2019, **AA**, 14 km E of Rich (Errachidia, 1278 m)

Chrysotus* Meigen, 1824Chrysotus albibarbus* Loew, 1857

Ebejer et al. 2019, **MA**, Lac Aguelmane Afennourir (30 km SW of Azrou, 1760 m); Grichanov 2019, **AA**, Aït Melloul

Chrysotus gramineus (Fallén, 1823)

Parent 1924, **Rif**, Tanger; Parent 1927

Chrysotus larachensis Grichanov, Nourti & Kettani, 2020

Grichanov et al. 2020b, **Rif**, El Hamma (338 m)

Chrysotus pennatus Lichtwardt, 1902

Ebejer et al. 2019, **Rif**, Smir Barrage (145 m), **AA**, 1 km N of Tarda (Errachidia, 1023 m)

Chrysotus suavis Loew, 1857

Grichanov 2009, **HA**, Asni area (1100–1400 m); Nourti et al. 2019a, **Rif**, Amsemlil env. (1067 m), **MA**, Dayat Ifrane (1607 m), **HA**, Tahanout (956 m); Dawah et al. 2020

Diaphorus* Meigen, 1824Diaphorus africanus* Parent, 1924

Parent 1924, **Rif**, Tétouan, Tanger; Parent 1927, **Rif**, Tanger; Ebejer et al. 2019, **Rif**, Oued Siflaou (281 m); Grichanov 2019, **AA**, Ouarzazate (1100 m)

Diaphorus vitripennis Loew, 1859

Grichanov 2019, **AA**, Aït Melloul

Dolichopodinae

Dolichopus* Latreille, 1796Dolichopus andalusiacus* (Strobl, 1899)

Ebejer et al. 2019, **AP**, Loukous marsh (2 m); Nourti et al. 2019a, **Rif**, plage Stihat (0 m)

²⁰ The following species records from Morocco are known to the authors by various checklists with no material provided: *Argyra grata* Loew, 1857; *Sybistroma obscurellum* Fallén, 1823; *Tachytrechus consobrinus* (Haliday, 1851); *Medetera petrophila* Kowarz, 1877; *Rhaphium appendiculatum* Zetterstedt, 1849. Their presence in Morocco must be confirmed.

Dolichopus griseipennis Stannius, 1831

Parent 1924, **Rif**, Tanger; Parent 1927; Séguy 1930a, **Rif**, Tanger; Nourti et al. 2019a, **Rif**, Adrou (PNPB, 556 m)

Dolichopus sabinus Haliday, 1838

Ebejer et al. 2019, **Rif**, Martil (9 m), Oued Laou (2 m); Nourti et al. 2019a, **Rif**, plage Stihat (4 m)

Dolichopus scutopilosus Parent, 1933

Parent 1933, **HA**, Arround

Dolichopus signifer Haliday, 1832

Parent 1929b, “Maroc”; Séguy 1930a, **MA**, Ras el Ma; Grichanov 2019, **HA**, Oukaïmeden (2600 m)

Dolichopus strigipes Verrall, 1875

Grichanov 2009, **AP**, 40 km S Larache (0–20 m)

Gymnopternus* Loew, 1857Gymnopternus assimilis* (Staeger, 1842)

Nourti et al. 2019a, **Rif**, Amsemlil (1067 m)

Hercostomus* Loew, 1857Hercostomus apollo* (Loew, 1869)

Nourti et al. 2019a, **Rif**, Talassemtane (1696 m), Adrou (PNPB, 556 m), Amsemlil (PNPB, 1067 m)

Hercostomus canariensis Santos Abreu, 1929

Grichanov et al. 2020a, **Rif**, Pont de Dieu (Akchour, 536 m); Nourti et al. 2019a (as *H. aff. exarticulatoïdes* Stackelberg, 1949)

Hercostomus chetifer (Haliday, 1849)

Ebejer et al. 2019, **Rif**, Sidi Yahia Aarab (377 m)

Hercostomus discriminatus Parent, 1925

Parent 1925, **Rif**, “Favier, Environs de Tanger”; Parent 1927, **Rif**, Tanger; Vaillant 1950, **Rif**, Tanger

Hercostomus exarticulatus (Loew, 1857)

Vaillant 1956b, **HA**, Lac Tamhda (Anremer), Aguelmous; Grichanov et al. 2020a

Hercostomus excipiens Becker, 1907

Parent 1924, **Rif**, Tétouan; Parent 1927; Séguy 1930a, **Rif**, Oued Judios (Tanger); Nourti et al. 2019a, **Rif**, Talembote (440 m)

Hercostomus germanus (Wiedemann, 1817)

Parent 1924, **Rif**, Cap Spartel; Parent 1927; Kettani and Negrobov 2016, **Rif**, Chefchaouen, Ketama – MISR (**Rif**, Ketama)

Hercostomus longiventris (Loew, 1857)

Vaillant 1956b, **HA**, Lac Tamhda (Anremer), Izourar

Muscidideicus* Becker, 1917Muscidideicus praetextatus* (Haliday, 1855)

Grichanov 2019, **AP**, Oualidia lagune

Ortochile* Berthold, 1827Ortochile morenae* (Strobl, 1899)

= *Hercostomus morenae* (Strobl, 1899), in Becker 1917: 225; Nourti et al. 2019a: 124
 Grichanov and Nourti 2021; Nourti et al. 2019a, **Rif**, Mnezla (74 m), Talassem-
 tane (980 m), Oued Ametrasse (841 m), estuary Tahaddart (dune marshland, 0 m)

Ortochile nigrocaerulea Latreille, 1779

Parent 1924, **Rif**, Tanger, Cap Spartel, Tétouan, Béni Hozmar; Parent 1927,
Rif, Tanger; Séguy 1930a, **Rif**, Oued Judios (Tanger); Grichanov 2009, **Rif**,
 Ouezzane (300 m); Nourti et al. 2019a, **Rif**, Douar El Hamma (338 m), Triwa
 Bni Hassane (654 m), Taida (501 m)

Platyopsis* Parent, 1929Platyopsis maroccanus* (Parent, 1929)

Parent 1929b, **Rif**, Tanger; Vaillant 1950, **Rif**, Tanger

Poecilobothrus* Mik, 1878Poecilobothrus appendiculatus* (Loew, 1859)

= *Hercostomus appendiculatus* (Loew): Ebejer et al. 2019: 146
 Parent 1924, **Rif**, Tanger, Cap Spartel; Ebejer et al. 2019, **Rif**, Oued Nakhla
 (200 m), Moulay Abdelsalam (965 m), Dardara (730 m), Cap Spartel (155 m);
 Nourti et al. 2019a, **Rif**, Perdicaris Park (223 m)

Poecilobothrus infuscatus (Stannius, 1831)

Ebejer et al. 2019, **Rif**, Tahaddart (2 m); **Rif** (Tahaddart) – MISR

Sybistroma* Meigen, 1824Sybistroma dufouri* Macquart, 1838

= *Haltericerus spathulatus* Loew, in Becker and Stein 1913: 86
 Becker and Stein 1913, **Rif**, Tanger

Sybistroma obscurellum Fallén, 1823²⁰

= *Hypophyllus obscurellus* Fallén, in Dakki 1997: 61
 Dakki 1997 (no material provided)

Sybistroma quadrifilatum (Strobl, 1899)

= *Sybistroma parvulum* (Parent, 1927), in Grichanov and Nourti 2021: 190
 Grichanov and Nourti 2021, **Rif**, Fahs Anjra (372 m)

Sybistroma theodori Grichanov & Nourti, 2021

Grichanov and Nourti 2021, **Rif**, Moulay Abdelsalam (649 m)

Tachytrechus* Haliday, 1851Tachytrechus consobrinus* (Haliday, 1851)²⁰

Parent 1938 (no material provided)

Tachytrechus goudoti (Macquart, 1842)

= *Dolichopus goudoti* Macquart, 1842

Macquart 1842, **Rif**, Tanger; Parent 1926 (redescription), 1927

Tachytrechus insignis (Stannius, 1831)

Parent 1927, “Maroc”; Séguy 1930a, **Rif**, Tanger, **HA**, Aguerd el Had, Talek-
 jount (1000–1100 m); Vaillant 1956b, **HA**, Lac Tamhda (Anremmer); Popescu-
 Mirceni 2011, **AP**, Merja Zerga; Grichanov 2019, **AP**, Essaouira

Tachytrechus notatus (Stannius, 1831)

Vaillant 1950 (no material provided), 1956b, **HA**, Lac Tamhda (Anremmer);
Grichanov 2009, **AA**, 15 km SW Tazenakcht; Dawah et al. 2020

Tachytrechus planitarsis Becker, 1907

Vaillant 1950, **HA**, Touggourt; Grichanov 2009, **AA**, 15 km SW Tazenakcht;
Grichanov 2019, **AA**, Ouarzazate (1100 m)

Hydrophorinae

Anahydrophorus* Becker, 1917Anahydrophorus cinereus* (Fabricius, 1805)

= *Scatophaga cinerea* Fabricius, 1805: 205

Fabricius 1805, **AP**, Mogador (Essaouira); Séguy 1930a, **Rif**, Tanger; Vaillant 1955a, **AP**, Temara, Port-Lyautey; Boumezzough and Vaillant 1986a, **AP**, beach of Rabat; Kettani and Negrobov 2016, **AP**, Skhirat; **AP** (Skhirat) – MISR

Aphrosylus* Haliday, 1851Aphrosylus maroccanus* Vaillant, 1955

Vaillant 1955a, **AP**, Port Lyautey

Aphrosylus mitis Verrall, 1912

Grichanov 2019, **AP**, Oualidia lagune

Aphrosylus raptor luteipes Parent, 1929

Parent 1929b, **AP**, Mogador (as a variation of *Aphrosylus raptor* Haliday, 1851);
Vaillant 1955a; Negrobov, 1979 (as a subspecies of *Aphrosylus raptor* Haliday, 1851); Kettani and Negrobov 2016 (as *Aphrosylus raptor* Haliday, 1851);
Grichanov 2019, **AP**, Oualidia lagune

Aphrosylus temaranus Vaillant, 1955

Vaillant 1955a, **AP**, Temara; Grichanov 2019, **AP**, Oualidia lagune

Aphrosylus venator Loew, 1857

Parent 1927, **Rif**, Tanger; Séguy 1930a, **Rif**, Tanger

Epithalassius* Mik, 1891Epithalassius corsicanus* Becker, 1910

Pârvu 2008, **AP**, Merja Zergha, Cap Sim, Essaouira

Hydrophoprus* Fallén, 1823Hydrophorus balticus* (Meigen, 1824)

Vaillant 1956b, **HA**, Jebel Toubkal, Lac Tamhda (Anremmer), Oukaïmeden, Izourar; Boumezzough and Vaillant 1986a, **HA**, Jebel Toubkal (3100 m);
Grichanov 2019, **HA**, Aguelmouss (2050 m), Oukaïmeden (2600 m); Nourti et al. 2019a, **MA**, Mont Habri (2071 m)

Hydrophorus nilicola Parent, 1927

= *Hydrophorus viridis nilicola* Parent, in Boumezzough and Vaillant 1986a: 297
Boumezzough and Vaillant 1986a, **MA**, Tizi-n'Imdrhas (1800 m), **HA**, Oued N'fis (650 m), **AA**, near Agadir N'oussbai (400 m); Grichanov 2019, **AP**, Essaouira

Hydrophorus oceanus (Macquart, 1838)

= *Hydrophorus bisetus* Loew, 1857, in Parent 1927, Séguy 1930a, Grichanov 2019
Parent 1927, **AP**, Rabat; Séguy 1930a, **Rif**, Tandja el Balia (Tanger) (*Hydrophorus bisetus* Loew); Vaillant 1955a, **AP**, Port-Lyautey; Boumezzough and Vaillant 1986a, **AP**, beach of Rabat

Hydrophorus praecox (Lehmann, 1822)

Parent 1924, **Rif**, Cap Spartel, de Tanger à Tétouan, Rincón de Medik, Dar Riffien (Ceuta); Parent 1927; Séguy 1941a, **HA**, Toubkal (2500 m); Boumezzough and Vaillant 1986a, **HA**, Lac Tamhda, Lac Tamdhanit (Massif Anremer, 2900 m), Lac Izourar (Massif Azourki, 2650 m)

Hydrophorus viridis (Meigen, 1824)²¹

Parent 1927, **AP**, Rabat; Boumezzough and Vaillant 1986a: 297

***Liancalus* Loew, 1857**

Liancalus virens (Scopoli, 1763)

Vaillant 1956b, **HA**, Toubkal, Assif Tassouat (M'Goum), Aguelmous, Sidi Chamarouch, Imi-N'Ifri; Boumezzough and Vaillant 1986a, **HA**, Tahanaout (750 m), Adrar Anremer (2900 m), **AA**, Jebel Siroua (3000 m); Kettani and Negrobov 2016, **AP**, S-Tifni; Nourti et al. 2019a, **Rif**, Amsemlil env. (1059 m) – MISR (**AP**, S Tifni)

***Machaerium* Haliday, 1832**

Machaerium maritimae Haliday, 1832

Parent 1927, **Rif**, Tanger; Séguy 1930a, **Rif**, Tanger; Kettani and Negrobov 2016, **AP**, Oued Bou-Regreg; Grichanov 2019, **AP**, Oualidia lagune; **AP** (Oued Bou-Regreg) – MISR

***Orthoceratium* Schrank, 1803**

Orthoceratium sabulosum (Becker, 1907)

= *Orthoceratium lacustre* (Scopoli, 1763)²², in Ebejer et al. 2019: 146
Ebejer et al. 2019, **Rif**, Jebel Lakraâ (Talassemiane, 1541 m)

***Thinophilus* Wahlberg, 1844**

Thinophilus (Thinophilus) flavipalpis (Zetterstedt, 1843)

Pârvu et al. 2006, **AA**, Lac Edehby, Ouarzazate; Grichanov 2009, **AP**, 40 km S Larache (0–20 m)

Thinophilus (Thinophilus) indigenus Becker, 1902

Ebejer et al. 2019, **AA**, 14 km E of Rich (Errachidia, 1278 m), Oued Laou (2 m); Grichanov 2019, **AA**, Ouarzazate (572 m)

21 *Hydrophorus viridis* may be a misidentification from Boumezzough and Vaillant (1986a) as this species is doubtfully present in North Africa. It does not reach Iberia in the west or Greece in the east.

22 Pollet and Stark (2018) have changed the species concept of *Orthoceratium lacustre* (Scopoli, 1763). As a result, all previous records of the species from Atlantic countries and almost all records from Africa (except for a female record from Tunisia) have been assigned to *O. sabulosum* (Becker, 1907). The Moroccan material also belongs to the latter species (Martin Ebejer, pers. comm.).

Thinophilus (*Thinophilus*) *mirandus* Becker, 1907

Negrobov 1971, **Rif**, Tanger; Grichanov 2019, **AA**, Ouarzazate (572 m)

Thinophilus (*Schoenophilus*) *versutus* Haliday, 1851

= *Schoenophilus versutus* (Haliday, 1851), in Parent 1924, 1927

Parent 1924, **Rif**, Cap Spartel, Tétouan; Parent 1927; Pârvu et al. 2006, **AP**, Merja Zerga; Nourti et al. 2019a, **Rif**, Oued Souk Lhad (613 m), Dayat Tazia (733 m)

Medeterinae

Medetera Fisher, 1819

Medetera diadema (Linnaeus, 1767)

= *Medeterus* (cf. *diadema*), in Séguy 1953a: 84

Parent 1938 (no material provided); Séguy 1953a, **AP**, Rabat; Nourti et al. 2019a, **Rif**, Kitane (49 m), **Rif**, plage Stihat (beach)

Medetera media Parent, 1925

Nourti et al. 2019a, **Rif**, Faculty of Sciences of Tétouan (garden: on trunk of olive tree, 14 m)

Medetera micacea Loew, 1857

Ebejer et al. 2019, **Rif**, Dardara (730 m); Nourti et al. 2019a, **Rif**, Issaguen (1547 m),

HA, Lac Tislit (Imilchil, 2254 m)

Medetera pallipes (Zetterstedt, 1843)²³

Nourti et al. 2019a, **Rif**, Douar El Hamma (338 m)

Medetera petrophila Kowarz, 1877²⁰

Parent 1938 (no material provided)

Medetera petrophiloides Parent, 1925

Nourti et al. 2019a, **Rif**, Issaguen (1547 m)

Medetera aff. *roghii* Rampini & Canzoneri, 1979

Nourti et al. 2019a, **Rif**, Douar El Hamma (338 m)

Medetera truncorum Meigen, 1824²⁴

Ebejer et al. 2019a, **Rif**, Dardara (484 m)

Medetera varvara Grichanov & Vikhrev, 2009

Grichanov and Vikhrev 2009, **AP**, Essaouira

²³ Morocco was most probably erroneously included into the distribution section for *Medetera flavipes* Meigen, 1824 and *Medetera pallipes* (Zetterstedt, 1843) in some papers (e.g. Kazerani et al. 2014). *M. pallipes* was recorded in the country by Nourti et al. (2019a). *M. flavipes* is not included in the present Catalog.

²⁴ *Medetera truncorum* Meigen, 1824 was identified by a female only (Ebejer et al. 2019). However, *Medetera truncorum* is a group of closely related species present in the Mediterranean that can be identified only by fine structures of the male hypopygium (Negrobov and Naglis 2016). Its presence in Morocco must be confirmed.

Thrypticus* Gerstäcker, 1864Thrypticus bellus* Loew, 1869Séguy 1930a, **EM**, Dayat Sidi Kacem; Nourti et al. 2019a, **Rif**, Amsemlil env. (1067 m), estuary Oued Tahaddart (0 m), Barrage 9 Avril, plage Stihat (0 m)

Microphorinae

Schistostoma* Becker, 1902Schistostoma eremita* Becker, 1902Ebejer et al. 2019, **AA**, Ziz river (12 km S of Rissani, 737 m), Lac Tiffert (4 km W of Merzouga, 702 m)

Neurigoninae

Neurigona* Rondani, 1856Neurigona solodovnikovi* Grichanov, 2010= *Neurigona punctifera* Becker, 1907, in Kettani and Negrobov 2016 (misidentification) Grichanov 2010, **AP**, 40 km S Larache; Kettani and Negrobov 2016, **Rif**, Aïn Tissemlal (Azilane, 1255 m); Nourti et al. 2019a, **Rif**, Perdicaris Park (223 m), Taria Bni Faghloum (894 m), Chrafate (832 m)

Parathalassiinae

Microphorella* Becker, 1909Microphorella ulrichi* Gatt, 2003Gatt 2003, **Rif**, Tanger, Oued Armal (Ksar Sghir)***Parathalassius* Mik, 1891***Parathalassius blasigii* Mik, 1891Ebejer et al. 2019, **AP**, Larache (5 m)

Peloropeodinae

Chrysotimus* Loew, 1857Chrysotimus molliculoides* Parent, 1937Parent 1937a, **MA**, Ifrane (1600 m); Parent 1937b; Nourti et al. 2019a, **Rif**, Dayat Tazia (733 m)***Micromorphus* Mik, 1878***Micromorphus albipes* (Zetterstedt, 1843)Parent 1924, **Rif**, Béni Hozmar (Tétouan); Parent 1927, **Rif**, Tétouan; Kechev and Ivanova 2015; Nourti et al. 2019a, **Rif**, Oued Souk Lhad (613 m), estuary Oued Tahaddart (0 m), Barrage 9 Avril, Kharouba, plage Stihat (0 m), Aïn Jdioui, **EM**, Bouanane (Figuig, 855 m), **AA**, Boudnib (951 m); Dawah et al. 2020

Micromorphus minusculus Negrobov, 2000

Nourti et al. 2019a, **EM**, Bouanane (Figuig, 855 m), **AA**, Taliouine (Taroudant, 1014 m); Grichanov 2019, **AA**, Ouarzazate

Rhaphiinae

***Rhaphium* Meigen, 1803**

Rhaphium appendiculatum Zetterstedt, 1849²⁰

= *Rhaphium macrocerum* (Parent, 1925), in Parent 1938, Grichanov 2019
Parent 1938 (no material provided)

Rhaphium brevicorne Curtis, 1835

= *Xiphandrium pectinatum* Becker, in Vaillant 1956b: 112, Grichanov 2019
Vaillant 1956b, **AP**, Rabat, **HA**, Oukaïmeden; Kettani and Negrobov 2016, **AP**, Rabat; Grichanov 2019, **HA**, Oukaïmeden (1000 m); Nourti et al. 2019a, **Rif**, Pont de Dieu (Akchour, 536 m), Dayat Tazia (733 m), Moulay Abdelsalam (1177 m); **AP** (Rabat) – MISR

Rhaphium caliginosum Meigen, 1824

= *Raphium lanceolatum* Loew, 1850, in Kazerani et al. 2013
Parent 1924, **Rif**, Cap Spartel; Kazerani et al. 2013 (no material provided); Kechev 2017; Nourti et al. 2019a, **Rif**, Amsemlil env. (1067 m), Dbani (Bni Selmane, 1046 m)

Rhaphium fascipes (Meigen, 1824)

= *Porphyrops fascipes* Meigen, 1824, in Parent 1927
Parent 1927, **Rif**, Tétouan

Rhaphium fissum Loew, 1850

Grichanov 2009, **AA**, Tizi-n'Test pass (2100 m)

Sciapodinae

***Sciapus* Zeller, 1842**

Sciapus adumbratus Becker, 1902

Grichanov and Negrobov 2014, **AP**, near Essaouira, **AA**, Oued Souss, near Ouarzazate (1100 m)

Sciapus costae (Mik, 1890)

Negrobov 1991 (no material provided); Ebejer et al. 2019, **Rif**, Oued Laou (30 m)

Sciapus euzonus (Loew, 1859)

= *Psilopus euzonus* Loew, in Dakki 1997: 62
Parent 1927, **Rif**, El Mahadi; Séguy 1930a, **Rif**, Tanger; Séguy 1941d, **AA**, Taroudant

Sciapus glaucescens (Loew, 1856)

Grichanov and Negrobov 2014, **AP**, Oualidia

Sciapus heteropygus Parent, 1926

Nourti et al. 2019c, **Rif**, Talassemtane National Park (1696 m)

Sciapus holoxanthos Parent, 1926

Nourti et al. 2019c, **Rif**, Jbel Bouhachem, Adrou (556 m), Talassemtane National Park (1696 m)

Sciapus laetus (Meigen, 1838)

Grichanov 2009, **AA**, 40 km S Larache (0–20 m); Ebejer et al. 2019, **Rif**, Martil (9 m)

Sciapus longulus (Fallén, 1823)²⁵

Pârvu et al. 2006, **AP**, Merja Zerga

Sciapus aff. *negrobovi* Naglis & Barták, 2015

Nourti et al. 2019a, **Rif**, plage Stihat (0 m), Kitane (49 m) (as *Sciapus* aff. *negrobovi*); Nourti et al. 2019c

Symptecinae

Campsicnemus* Haliday in Walker, 1851Campsicnemus crinitarsis* Strobl, 1906

Dakki 1997 (no material provided); Grichanov 2012, **AP**, Essaouira; Kettani and Negrobov 2016, **Rif**, Oued Amsa

Campsicnemus curvipes (Fallén, 1823)²⁶

Frey 1936 (no material provided)

Campsicnemus filipes Loew, 1859

Grichanov 2009, **AA**, 40 km S Larache (0–20 m)

Campsicnemus loripes (Haliday, 1832)

Ebejer et al. 2019, **Rif**, Moulay Abdelsalam (965 m)

Campsicnemus magius (Loew, 1845)

Pârvu et al. 2006, **AA**, Lac Edehby, Ouarzazate; Grichanov 2019, **AP**, Essaouira

Campsicnemus simplicissimus Strobl, 1906

Nourti et al. 2019a, **Rif**, plage Stihat (0 m)

Sympycnus* Loew, 1857Sympycnus pulicarius* (Fallén, 1823)

Nourti et al. 2019a, **HA**, Aïn Taferaout (Sidi Masali, 1237 m)

Syntormon* Loew, 1857Syntormon aulicus* Meigen, 1824

= *Eutarsus aulicus* Meigen, in Parent 1924, 1927; Séguy 1930a: 125

Parent 1927, **Rif**, Tanger; Séguy 1930a, **Rif**, Tanger; Vaillant 1952, 1956b, **HA**, Imi-N'Ifri

²⁵ *Sciapus longulus* (Fallén, 1823) was identified by females only (Pârvu et al. 2006). Its presence in Morocco must be confirmed, as in most species in this genus from the Mediterranean they can only be distinguished by males (Grichanov and Negrobov 2014).

²⁶ *Campsicnemus curvipes* (Fallén, 1823) was recorded by Parent (1924) from Algeciras (Spain) and mentioned by Parent (1927) as collected from “Morocco: Algésiras”. *Argyra grata* Loew, 1857 was recorded by Parent (1927) from Algeria. These species may occur in Morocco.

Syntormon codinai Parent, 1924

Parent 1924, **Rif**, Cap Spartel, Tanger; Parent, 1927, **Rif**, Tanger

Syntormon denticulatus (Zetterstedt, 1843)

= *Syntormon pumilus* Parent, 1925 (nec Meigen, 1824; misidentification), in Pârvu et al. 2006, Grichanov 2019

Parent 1924, **Rif**, Tétouan; Parent 1927, **Rif**, Tétouan; Séguy 1930a, **Rif**, Tanger; Pârvu et al. 2006, **AA**, Lac Edehby, Ouarzazate; Nourti et al. 2019a, **Rif**, plage Stihat (0 m), Amlay (294 m), Koudiat Taifour (100 m), Amsemlil env. (1067 m), Dayat Tazia (733 m), Oued Souk Lhad (613 m), **HA**, Aïn Taferaout (Sidi Masali, 1237 m), **AA**, Taliouine (1014 m)

Syntormon mikii Strobl, 1899

Parent 1927, “Maroc”; Kechev and Ivanova 2015; Nourti et al. 2019a, **Rif**, Pont de Dieu (Akchour, 536 m), Moulay Abdelsalam (1177 m)

Syntormon monilis (Haliday, 1851)

Parent 1924, **Rif**, Cap Spartel; Parent 1927, **Rif**, Cap Spartel

Syntormon pallipes (Fabricius, 1794)

Parent 1924, **Rif**, Cap Spartel, Tétouan, Chefchaouen; Parent 1927, **Rif**, Cap Spartel; Nourti et al. 2019a, **Rif**, Oued Souk Lhad (613 m), Talassemrane (339 m), Perdicas Park (223 m), Amsemlil env. (1067 m); Dawah et al. 2020

Syntormon pilitibia Grichanov, 2013

Nourti et al. 2019a, **Rif**, Amsemlil (PNPB, 1067 m)

Syntormon pumilus (Meigen, 1824)

= *Syntormon rufipes* auctt. (nec Meigen, 1824; misidentification), in Pârvu et al. 2006; Grichanov 2019

Pârvu et al. 2006, **AA**, Lac Edehby, Ouarzazate

Syntormon zelleri (Loew, 1850)

Vaillant 1956b, **HA**, Oukaïmeden, Izourar; Pârvu et al. 2006, **AP**, Merja Zerga; Nourti et al. 2019a, **Rif**, Pont de Dieu (Akchour, 536 m), Amsemlil env. (1059–1067 m)

Teuchophorus* Loew, 1857Teuchophorus cristulatus* Mueffels & Grootaert, 1990

Ebejer et al. 2019, **AA**, 14 km E of Rich (Errachidia, 1278 m)

Teuchophorus rifensis Nourti, Grichanov & Kettani, 2019

Nourti et al. 2019b, **Rif**, Oued Souk Lhad (613 m)

Teuchophorus spinigerellus (Zetterstedt, 1843)

Pârvu et al. 2006, **AA**, Lac Edehby, Ouarzazate

Xanthochlorinae

Xanthochlorus* Loew, 1857Xanthochlorus tenellus* (Wiedemann, 1817)

Grichanov 2009, **AA**, 40 km S Larache (0–20 m); Ebejer et al. 2019, **Rif**, Moulay Abdelsalam (1180 m)

HYBOTIDAE

K. Kettani, P. Gatt

Number of species: **44**. Expected: 120

Faunistic knowledge of the family in Morocco: poor

Ocydromiinae

Bicellariini

***Bicellaria* Macquart, 1823**

Bicellaria spuria Fallén, 1816

Becker and Stein 1913, **Rif**, Tanger

Ocydromiini

***Ocydromia* Meigen, 1820**

Ocydromia glabricula (Fallén, 1816)

Becker and Stein 1913, **Rif**, Tanger

***Oropezella* Collin, 1926**

Oropezella sphenoptera (Loew, 1873)

Cassar et al. 2005, **Rif**, lagoon Smir

Tachydromiinae

Drapetini

***Chersodromia* Haliday in Walker, 1851**

Chersodromia albopilosa Chvála, 1970

Cassar et al. 2008, **Rif**, Basin Laou

Chersodromia nigrosetosa Chvála, 1970

Chvála 1981 (Ceuta); Chvála and Kovalev 1989

Chersodromia pseudohirta Chvála, 1970

Ebejer et al. 2019, **Rif**, Kabila beach

***Crossopalpus* Bigot, 1857**

Crossopalpus aeneus (Walker, 1871)²⁷

Shamshev et al. 2005, **HA**, Marrakech, Ouirgane

Crossopalpus dilutipes (Strobl, 1906)

Ebejer et al. 2019, **AP**, 9 km SE of Aïn Chouk (Lower Loukous marsh, 6 m)

27 *Crossopalpus aenescens* (Wiedemann, 1830) was recorded by Séguy (1941d: 12) under the name of *Drapetis aenescens*, confusing it with *C. aeneus*. These two species have often been confused by authors. This is a misidentification, as *C. aenescens* is an Afrotropical species.

Crossopalpus nigritellus (Zetterstedt, 1842)

Ebejer et al. 2019, **Rif**, Talassemthane (maison forestière), Issaguen (1620 m)

Crossopalpus setiger (Loew, 1859)

Ebejer et al. 2019 **Rif**, Smir lagoon

***Drapetis* Meigen, 1822**

Drapetis disparilis Frey, 1936

Chvála 1981 (Ceuta); Chvála and Kovalev 1989

Drapetis laevis Becker, 1914

Becker and Stein 1913, **Rif**, Tanger; Kovalev 1970; Chvála and Kovalev 1989

***Elaphropeza* Macquart, 1827**

Elaphropeza boergei Chvála, 1971

Ebejer et al. 2019, **Rif**, Smir lagoon, Oued Laou (saltmarsh)

Elaphropeza hutsoni Smith, 1967

Ebejer et al. 2019, **Rif**, Jnane Niche (46 m)

***Stilpon* Loew, 1859**

Stilpon demnatensis Vaillant, 1956²⁸

Vaillant 1956b: 244, **HA**, Imi-N'Ifri

Stilpon moroccensis Grootaert & Zouhair, 2021

Grootaert et al. 2021, **Rif**, beach of Stehat, Bab Tariouant, Amsemlil, **EM**, Bouanane

Stilpon subnubilus Chvála, 1988

Ebejer et al. 2019, **Rif**, Smir lagoon, M'Diq (Kabila beach and dunes), Martil (beach and dunes)

Tachydromiini

***Platypalpus* Macquart, 1827**

Platypalpus alluaudi Grootaert & Chvála, 1992

Grootaert and Chvála 1992, **HA**, Chichaoua; Vaňhara and Rozkošný 1997

Platypalpus anomalicerus (Becker, 1902)

= *Coryneta aerivaga* Séguy, in Séguy 1941d: 11

Séguy 1941d, **EM**, Oued Guir, **AA**, Agadir; Grootaert and Chvála 1992, **EM**, Oued Guir, **AA**, Agadir

Platypalpus annulatus (Fallén, 1815)

Pârvu et al. 2006, **AP**, Merja Zerga; Popescu-Mirceni 2011

Platypalpus anomalitarsis Chvála & Kovalev, 1974

Ebejer et al. 2019, **MA**, 10 km S of Azrou (1775 m), 10 km S of Azrou (1720 m), **AA**, Ziz river (30 km N of Erfoud, 894 m)

Platypalpus approximatus (Becker, 1902)

Grootaert and Chvála 1992, **AP**, Casablanca

²⁸ *Stilpon demnatensis* Vaillant, 1956 was indicated as a *nomen nudum* by Cumming and Cooper (1992).

- Platypalpus asniensis* Grootaert & Chvála, 1992
Grootaert and Chvála 1992, **HA**, Asni; Vaňhara and Rozkošný 1997
- Platypalpus calceatus* (Meigen, 1822)
Pârvu et al. 2006, **MA**, Meknès, **AA**, Foum Zghouig
- Platypalpus chillcotti* Chvála, 1981
Grootaert and Chvála 1992, **MA**, Ifrane
- Platypalpus chrysonotus* (Strobl, 1899)
Ebejer et al. 2019, **Rif**, Oued Laou (saltmarsh)
- Platypalpus desertorum* (Becker, 1907)
Ebejer et al. 2019, **AA**, 14 km E of Rich (Errachidia, 1278 m)
- Platypalpus distichus* Grootaert & Chvála, 1992
Ebejer et al. 2019, **AP**, 9 km SE of Aïn Chouk (Lower Loukous marsh, 6 m),
AA, Ziz river (10 km S of Errachidia, 1008 m)
- Platypalpus flavicornis* (Meigen, 1822)
Ebejer et al. 2019, **AA**, 2 km N of Erfoud (818 m), Ziz river (30 km N of Erfoud, 894 m)
- Platypalpus longicauda* Grootaert & Chvála, 1992
Ebejer et al. 2019, **Rif**, Smir lagoon
- Platypalpus lyneborgi* Chvála, 1981
Grootaert and Chvála 1992, **AP**, Dradek, **MA**, Azrou
- Platypalpus nigratarsis* (Fallén, 1816)
Pârvu et al. 2006, **MA**, Ifrane; Popescu-Mirceni 2011
- Platypalpus obscuripes* (Strobl, 1899)
Ebejer et al. 2019, **Rif**, Martil (9 m), **AP**, Larache (Loukous marsh, 2 m)
- Platypalpus ostiorum* (Becker, 1902)
Grootaert and Chvála 1992
- Platypalpus pachycerus* (Collin, 1949)
Ebejer et al. 2019, **AA**, Ziz river (10 km S of Errachidia, 1008 m)
- Platypalpus pallidiventris* (Meigen, 1822)
Grootaert and Chvála 1992, **MA**, Ifrane; Maarouf 2003, **HA**, Chaouia
- Platypalpus pseudoexiguus* (Strobl, 1909)
Ebejer et al. 2019, **Rif**, Oued Laou (saltmarsh)
- Platypalpus pseudounguiculatus* (Strobl, 1909)
= *Tachydromia pseudounguiculata* Strobl 1909
Grootaert and Chvála 1992
- Platypalpus riojaensis* Chvála, 1981
Grootaert and Chvála 1992, **EM**, Oujda, **MA**, Meknès, **HA**, Chichaoua
- Platypalpus turgidus* (Becker, 1907)
Grootaert and Chvála 1992, **MA**, Takkat-n- Sountat
- Platypalpus vockerothi* Chvála, 1981
Grootaert and Chvála 1992, **HA**, Asni

Tachydromia* Meigen, 1803Tachydromia arrogans* (Linnaeus, 1761)Ebejer et al. 2019, **Rif**, Oued Laou, El-Fahsa (maquis)*Tachydromia annulimana* Meigen, 1822²⁹= *Tachista annulimana* Meigen, in Becker and Stein 1913: 84Becker and Stein 1913, **Rif**, Tanger*Tachydromia undulata* (Strobl, 1906)

Chvála 1969

Platypezoidea**PHORIDAE**

K. Kettani, H. Disney

Number of species: **3**. Expected: >400

Faunistic knowledge of the family in Morocco: very poor

Diplonevra* Lioy, 1864Diplonerva crassicornis* (Meigen, 1830)= *Phora crassicornis* Meigen, in Meigen 1830: 220= *Dohrniphora dudai* Schmitz, in Schmitz 1920: 100Raclin 1957; Mouna 1998; **AP** (Rabat) – MISR*Diplonevra tangeriana* (Becker, 1913)³⁰= *Phora tangeriana* Becker and Stein, in Becker and Stein 1913: 90; Schmitz 1949: 238 (*Species incerta*)Becker and Stein 1913, **Rif**, Tanger; Schmitz 1949***Megaselia* Rondani, 1856***Megaselia minor* (Zetterstedt, 1848)= *Trineura minor* Zetterstedt, in Zetterstedt 1848: 2864; Wood 1912: 167= *Aphiochaeta angustifrons* Wood, in Wood 1912: 167; Disney 1984: 239= *Phora minor* Shob, in Mouna 1998: 86Zetterstedt 1848; Wood 1912; Disney 1984; Mouna 1998; **AP** (Rabat) – MISR

29 Becker and Stein's record of *Tachydromia annulimana* is retained, but is considered doubtful as *annulimana* is a European species. The record could equally refer to *T. umbrarum* Haliday, 1833 another European species which has often been misidentified as *annulimana* by authors.

30 *Diplonevra tangeriana* (Becker, 1913) was recorded from Morocco, but fresh specimens are required to ascertain its identity.

PLATYPEZIDAE

K. Kettani, M.J. Ebejer

Number of species: **3**. Expected: 6

Faunistic knowledge of the family in Morocco: poor

Platypezinae

***Lindneromyia* Meigen, 1804**

Lindneromyia dorsalis (Meigen, 1804)

Chandler 2001, **Rif**, Chefchaouen (600 m), **AP**, Rabat, Maâmora; Tkoč and Roháček 2014; **AP** (Maâmora) – MISR

***Microsania* Zetterstedt, 1837**

Microsania raclinae Collart³¹

Mouna 1998: 86

***Protoclythia* Kessel, 1949**

Protoclythia rufa (Meigen, 1830)

Ebejer et al. 2019, **Rif**, Tahaddart (1 m)

LONCHOPTERIDAE

K. Kettani, M. Barták

Number of species: **4**. Expected: 5

Faunistic knowledge of the family in Morocco: moderate

Lonchopterinae

***Lonchoptera* Meigen, 1803**

Lonchoptera bifurcata (Fallén, 1810)

= *Dispa furcata* Fallén, in Vaillant 1989: 217

= *Muscidora furcata* Fallén, in Mouna 1998: 86

Vaillant 1989; Mouna 1998

Lonchoptera fallax De Meijere, 1906

= *Muscidora fallax* Meigen, in Mouna 1998: 86

Mouna 1998

Lonchoptera lutea Panzer, 1809

= *Muscidora lutea* Panzer, in Mouna 1998: 86

³¹ *Microsania raclinae* Collart is listed in Mouna 1998, but *raclinae* is a nomen nudum and the material upon which this citation was given is unknown to us. It cannot be determined whether or not the error is with the species name itself while the genus *Microsania* is actually represented in Morocco.

Vaillant 1989, **HA** (>3000 m); Mouna 1998; Pârvu et al. 2006, **MA**, Ifrane;
 Popescu-Mirceni 2011; **MA** – MISR
Lonchoptera tristis Meigen, 1824
 = *Muscidora tristis* Meigen, in Mouna 1998: 86
 Mouna 1998

Syrphoidea

PIPUNCULIDAE

K. Kettani, M.J. Ebejer
 Number of species: **16**. Expected: 50
 Faunistic knowledge of the family in Morocco: poor

Chalarinae

***Chalarus* Walker, 1834**

Chalarus brevicaudis Jervis, 1992
 Ebejer and Kettani 2019b, **Rif**, Dardara (730 m), Azilane (1255 m), El Hamma (338 m)
Chalarus sp. aff. *brevicaudis* Jervis, 1992
 Ebejer and Kettani 2019b, **Rif**, Azilane (1255 m)

Pipunculinae

Eudorylini

***Claraeola* Aczél, 1940**

Claraeola sp. aff. *halterata* (Meigen, 1838)
 Ebejer and Kettani 2019b, **Rif**, Akchour (424 m)

***Clistoabdominalis* Skevington, 2001**

Clistoabdominalis dilatatus (De Meyer, 1997)
 Ebejer and Kettani 2019b, **Rif**, Jebel Talassemtane (1546 m), El Hamma (338 m)

***Dasydorylas* Skevington, 2001**

Dasydorylas setosus (Becker, 1908)
 Kehlmaier 2005; Motamedinia et al. 2017

***Eudorylas* Aczél, 1940**

Eudorylas ibericus Kehlmaier, 2005
 Ebejer and Kettani 2019b, **Rif**, Jebel Talassemtane (1546 m)

Pipunculini

***Pipunculus* Latreille, 1802**

Pipunculus carlestolrai Kuznetzov, 1993
 Ebejer and Kettani 2019b, **Rif**, Jebel Talassemtane (1546 m)

Tomosvaryellini

Tomosvaryella* Aczél, 1939Tomosvaryella cilifemorata* (Becker, 1907)Ebejer and Kettani 2019b, **Rif**, Adrou (PNPB, 556 m)*Tomosvaryella debruyni* De Meyer, 1995Ebejer and Kettani 2019b, **Rif**, Adrou (PNPB, 556 m)*Tomosvaryella frontata* (Becker, 1897)Ebejer and Kettani 2019b, **Rif**, Oued Mhajrate (Ben Karrich, 67 m)*Tomosvaryella geniculata* (Meigen, 1824)Ebejer and Kettani 2019b, **HA**, Lac Tislite (Imilchil, 2254 m)*Tomosvaryella kuthyi* Aczél, 1944Ebejer and Kettani 2019b, **Rif**, El Hamma (338 m), Akchour (424 m), Barrage Smir (27 m)*Tomosvaryella minima* (Becker, 1897)Ebejer and Kettani 2019b, **Rif**, Koudiat Taifour (100 m)*Tomosvaryella mutata* (Becker, 1898)Ebejer and Kettani 2019b, **Rif**, Jebel Lakraâ (Talassemthane, 1596 m)*Tomosvaryella trichotibialis* De Meyer, 1995Ebejer and Kettani 2019b, **Rif**, Koudiat Taifour (100 m)*Tomosvaryella* sp. *subvirescens* groupEbejer and Kettani 2019b, **AP**, Loukous marsh (Larache)**SYRPHIDAE**

K. Kettani, M.C.D. Speight

Number of species: **166**. Expected: more than 200

Faunistic knowledge of the family in Morocco: moderate

Eristalinae

Brachyopini

Brachyopa* Meigen, 1822Brachyopa atlantea* Kassebeer, 2000Kassebeer 2000, **HA**, Ouirgane (1000 m); Speight 2018; Sahib et al. 2020***Chrysogaster* Meigen, 1803***Chrysogaster basalis* Loew, 1857Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Dirickx 1994; Kassebeer 1999d; Sahib et al. 2020***Ighboulomyia* Kassebeer, 1999***Ighboulomyia atlasi* Kassebeer, 1999Kassebeer 1999c, **MA**, Azrou, Umgebung, Timahdit, Ighböula Ulaichuor, Quellteich; Sahib et al. 2020

Myolepta* Newman, 1838Myolepta difformis* Strobl in Czerny & Strobl 1909= *Myolepta philonis* Séguy, 1961, in Dirickx 1994: 93Dirickx 1994, **HA**; Reemer et al. 2004, **MA**, **HA**; Speight 2013, 2018; Sahib et al. 2020***Neoascia* Williston, 1886***Neoascia claussenii* Hauser & Kassebeer, 1998= *Neoascia podagrica* (Fabricius, 1775), in Gil Collado 1929: 40; Claussen 1989b: 373Gil Collado 1929a; Claußen 1989b; Dirickx 1994; Hauser and Kassebeer 1998, **MA**, **HA**, Taroudant (1800 m); Pârvu et al. 2006, **AP**, Merja Zerga; Popescu-Mirceni 2011; Sahib et al. 2020, **Rif**, Oued Jnane Niche, Oued Maggou***Orthonevra* Macquart, 1829***Orthonevra bouazzai* Kassebeer, 1999Kassebeer 1999d, **MA**; Sahib et al. 2020*Orthonevra brevicornis* (Loew, 1843)³²Sahib et al. 2020, **Rif**, Aïn Afersiw*Orthonevra elegans* (Meigen, 1822)Becker and Stein 1913, **Rif**; Claußen 1989b; Dirickx 1994; Sahib et al. 2020*Orthonevra schachti* Claußen, 1989bClaußen 1989b, **HA**, Oukaïmeden (2600 m); Dirickx 1994; Schmid 1995; Kassebeer 1999d, **MA**; Sahib et al. 2020***Riponnensia* Maibach, Goeldlin & Speight, 1994***Riponnensia longicornis* (Loew, 1843)= *Orthonevra longicornis* Loew, in Kanervo 1939: 2; Séguy 1961: 23; Kassebeer 1999c: 162Kanervo 1939; Séguy 1961, **AP**; Claußen 1989b; Kassebeer 1999c, **MA**, **HA**; Dirickx 1994; Dousti and Hayat 2006; Speight 2013, 2018; Sahib et al. 2020*Riponnensia splendens* (Meigen, 1822)= *Chrysogaster splendens* (Meigen), in Gil Collado 1929: 405= *Orthonevra splendens* (Meigen), in Claußen 1989b: 363, 373; Dirickx 1994: 97
Gil Collado 1929a, **Rif**; Mouna 1998; Claußen 1989b, **HA**, Tizi-n'Test (1900 m); Dirickx 1994; Kassebeer 1999c, **MA**; Sahib et al. 2020, **MA**, Douar Zaouiat Cheikh; **AP** (Dradek) – MISR

Callicerini

Callicera* Panzer, 1806Callicera fagesi* Guérin-Meneville, 1844Kassebeer 1998a, **HA**, Ouirgane (1000 m); Sahib et al. 2020

³² The range of *Orthonevra brevicornis* does not extend to Iberia. The identification of the single specimen from Morocco was based on a female in Sahib et al. (2020). The status of this species in Morocco needs to be confirmed.

Callicera rufa Schummel, 1842

Gil Collado 1929a, **Rif**, Tanger; Claußen 1989b; Dirickx 1994; Sahib et al. 2020

Ceriodini

***Ceriana* Rafinesque, 1815**

Ceriana conopsoides (Linnaeus, 1758)

= *Ceriodes conopsoides* Linnaeus, in Séguy 1930a: 131

Séguy 1930a, **MA**, Ras El Ksar; Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020; **AP** (Maghrawa, Maâmora) – MISR

Ceriana vespiformis (Latreille, 1804)

= *Ceriodes vespiformis* Latreille, in Becker and Stein 1913: 88; Gil Collado 1929: 414; Séguy 1930a: 131; Kanervo 1939: 5; Leclercq 1961: 242

Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a, **Rif**, **HA**; Séguy 1930a, **AP**, Rabat, Casablanca, **MA**, Tizi-s'Tkrine, Aïn Leuh, Meknès; Kanervo 1939, **MA**; Leclercq 1961a, **Rif**, Melillia, **MA**, Dayat Aoua, Aïn Leuh; Claußen 1989b; Dirickx 1994; Steenis et al. 2016; Speight 2018; El Hawagry and Gilbert 2019; Sahib et al. 2020, **Rif**, 1 km after Dardara, Meadow Mizoghar, Oued Achekrade

***Sphiximorpha* Rondani, 1850**

Sphiximorpha subsessilis (Illiger in Rossi, 1807)

Steenis et al. 2016

Eristalini

***Anasimyia* Schiner, 1864**

Anasimyia contracta Caußen & Torp, 1980

Kassebeer 1998a, **MA**, Timahdit (1850 m); Sahib et al. 2020

***Eristalinus* Rondani, 1845**

Eristalinus aeneus (Scopoli, 1763)

= *Lumpetia aenea* (Scopoli), in Becker and Stein 1913: 86

= *Eristalis aeneus* (Scopoli), in Gil Collado 1929: 406, 407; Leclercq 1961: 242

= *Lathyrophthalmus aeneus* (Scopoli), in Séguy 1930: 129; Kanervo 1939: 5

Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a, **Rif**, Tanger, **AP**, Mogador; Séguy 1930a, **AP**, Casablanca; Kanervo 1939; Timon-David 1951, **AP**, Rabat; Leclercq 1961a, **EM**, Melilla; Claußen 1989b; Dirickx 1994; Pârvu and Zaharia 2007; Sahib et al. 2020, **Rif**, Jumb Kitane, **HA**, vicinity of Asni

Eristalinus megacephalus (Rossi, 1794)

= *Eristalis quinquelineatus* Fabricius, in Becker and Stein 1913: 85, Gil Collado 1929: 407,

= *Lathyrophthalmus quinquelineatus* Fabricius, in Séguy 1930a: 129

Gil Collado 1929a, **Rif**, Tanger; Séguy 1930a, **AP**, Rabat, Oued Korifla, Sidi Bettache; Séguy 1961; Dakki 1997; Claußen 1989b; Dirickx 1994; Dousti and Hayat 2006; Sahib et al. 2020; **AP** (Rabat) – MISR

Eristalinus sepulchralis (Linnaeus, 1758)

= *Eristalis sepuleralis* Linnaeus, in Becker and Stein 1913: 85, Gil Collado 1929: 406
Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a, **AP**, Claußen 1989b,
HA, Ansegmir-Tal W Midelt (1400 m); Dirickx 1994; El Hawagry and Gilbert 2019; Sahib et al. 2020

Eristalinus taeniops (Wiedemann, 1818)

= *Eristalis taeniops* Wiedemann, in Becker and Stein 1913: 85

= *Eristalodes taeniops* Wiedemann, in Séguy 1930a: 130

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **AP**, Oued Korifla, Rabat, **HA**, Tenfecht (Takeljount); Leclercq 1961a, **MA**, Dayet Aoua; Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Dirickx 1994; Dakki 1997; Dousti and Hayat 2006; Koçak and Kemal 2010; Speight 2013, 2018; El Hawagry and Gilbert 2019; Sahib et al. 2020, **Rif**, Oued Martil, Halouma Kitane, Oued Sidi Yahia Aârab, **MA**, bridge Oued Oum-er-Rbia (Douar Ahl Souss), **HA**, Lac Oukaïmeden; **AP** (Rabat), **MA** (Volubilis) – MISR

Eristalis Latreille, 1804*Eristalis arbustorum* (Linnaeus, 1758)

Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a, **Rif**; Séguy 1930a, **MA**, Aïn Leuh, Ras El Ksar, forest of Taffert; Kanervo 1939, **Rif**; Timon-David 1951, **AP**, Rabat, **MA**, Ifrane; Claußen 1989b, **MA**, Azrou (1700 m); Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Dirickx 1994; Dakki 1997; El Hawagry and Gilbert 2019; Sahib et al. 2020, **Rif**, Aïn Sidi Brahim Ben Ar-rif, **MA**, vicinity of Ifrane, **HA**, vicinity of Asni, Lac Oukaïmeden, **AA**, Douar Issafen, Douar Issafen; **MA**, **HA** – MISR

Eristalis jugorum Egger, 1858³³

Dakki 1997

Eristalis pertinax (Scopoli, 1763)

Séguy 1930a, **AP**, Oued Korifla, Sidi Bettache, **MA**, Forêt de Timelilt; Claußen 1989b; Dirickx 1994; Dakki 1997; Sahib et al. 2020

Eristalis similis (Fallén, 1817)

= *Eristalis pratorum* Meigen, in Gil Collado 1929: 407

Gil Collado 1929a, **Rif**; Séguy 1961; Claußen 1989b, **HA**, Oukaïmeden (2600 m); Dirickx 1994; Pârvu and Zaharia 2007; Sahib et al. 2020, **Rif**, maison forestière, **HA**, Douar Zaouiat Cheikh, Lac Oukaïmeden

Eristalis tenax (Linnaeus, 1758)

= *Eristalomyia tenax* Linnaeus, in Séguy 1930a: 130; Timon-David 1951: 146

Gil Collado 1929a, **Rif**, **AP**; Kanervo 1939, **MA**; Séguy 1949a, **AA**; Timon-David 1951; Leclercq 1961a; Claußen 1989b; Dirickx 1994; Sahib et al. 2020, **Rif**, Village Sebt Zinnat, Belyounech, Aïn Takhninjoute, maison forestière,

³³ *Eristalis jugorum* is not known closer to Morocco than the mountains of northern Spain and Turkey. Its occurrence in high mountains in Morocco is possible, but confirmation of the records would be worthwhile.

Jumb Kitane, meadow Fahs Lmhar, **HA**, Douar Zaouiat Cheikh, vicinity of Asni, Lac Oukaimeden

***Helophilus* Meigen, 1822**

Helophilus trivittatus (Fabricius, 1805)

Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a; Claußen 1989b; Dirickx 1994; Sahib et al. 2020

***Mallota* Meigen, 1822**

Mallota cimbiciformis (Fallén, 1817)

= *Mallota eristoloides* Loew, in Becker and Stein 1913: 85

Becker and Stein 1913, **Rif**, Tange; Claußen 1989b; Dirickx 1994; Sahib et al. 2020

Mallota dusmeti Andreu, 1926

Kassebeer 1998a, **HA**, Ouirgane; Sahib et al. 2020

***Melanogaster* Rondani, 1857**

Melanogaster lindbergi Kassebeer, 1999

= *Chrysogaster macquardti* Loew, in Becker and Stein 1913: 87

= *Chrysogaster viduata* Meigen, in Kanervo 1939: 2, Séguy 1961: 27, 28

= *Chrysogaster lucida* (Scopoli), in Claußen 1989b: 372

Becker and Stein 1913, **Rif**; Kanervo 1939, **MA**; Séguy 1961; Claußen 1989b; Dirickx 1994; Kassebeer 1999d, **MA**; Popov et al. 2020; Sahib et al. 2020

***Myathropa* Rondani, 1845**

Myathropa florea (Linnaeus, 1758)

Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a; Séguy 1930a, **MA**, Aïn Leuh; Claußen 1989b, **MA**, Azrou (1700 m); Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Dirickx 1994; Dakki 1997; Sahib et al. 2020, **Rif**, Oued à 15 km de Fifi

***Parhelophilus* Girschner, 1897**

Parhelophilus versicolor (Fabricius, 1794)

= *Helophilus versicolor* (Fabricius), in Gil Collado 1929: 407

Gil Collado 1929a, **AP**, Oulad Mesbah; Claußen 1989b; Dirickx 1994; El Hawagry and Gilbert 2019; Sahib et al. 2020

Eumerini

***Eumerus* Meigen, 1822**

Eumerus amoenus Loew, 1848

Séguy 1961; Claußen 1989b; Dirickx 1994; Dousti and Hayat 2006; Speight 2013, 2018; Sahib et al. 2020, **AA**, Douar Aourir, beach of Tamelallt

Eumerus barbarus (Coquebert, 1804)

= *Eumerus australis* Meigen, in Gil Collado 1929: 412

Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a, **Rif**; Séguy 1961; Claußen 1989b, **MA**, Azrou (1900 m); Dirickx 1994; Mouna 1998; Speight

- 2013, 2018; Steenis et al. 2017, **AA**, 11 km NW Taliouine, S Aït-Baha, 10 km NE Tafraoute; El Hawagry and Gilbert 2019; Sahib et al. 2020; **AP** (Cap Cantin) – MISR
- Eumerus basalis* Loew, 1848
= *Eumerus angusticornis* Rondani, in Séguy 1930a: 130
= *Eumerus basalis* Loew, in Mouna 1998: 86
Séguy 1930a, **MA**, forest of Timelilt; Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020
- Eumerus caballeroi* Gil Collado, 1929
Gil Collado 1929a, **AP**, Laguna Gedira; Claußen 1989b; Dirickx 1994; Speight 2013, 2018; Sahib et al. 2020
- Eumerus hungaricus* Szilády, 1940
Speight 2018
- Eumerus lunatus* (Fabricius, 1794)
= *Eumerus lunulatus* Fabricius, in Becker and Stein 1913: 86
Becker and Stein 1913, **Rif**, Tanger; Leclercq 1961a, **EM**, Melilla; Claußen 1989b; Dirickx 1994; Mouna 1998; Dousti and Hayat 2006; Speight 2013, 2018; Sahib et al. 2020
- Eumerus melotus* (Séguy, 1941)
= *Lampetia melota* Séguy, in Séguy 1941d: 13
Séguy 1941d, **AA**, Agadir; Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020
- Eumerus nudus* Loew, 1848
Becker and Stein 1913, **Rif**, Tanger; Claußen 1989b; Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Dirickx 1994; Speight 2013, 2018; Sahib et al. 2020
- Eumerus obliquus* (Fabricius, 1805)
Sahib et al. 2020, **Rif**, Oued Jnane Niche, **EM**, Oued Khemis
- Eumerus ornatus* Meigen, 1822
Séguy 1930a, **MA**, Aïn Leuh, forest of Timelilt; Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020; **AP** (Oued Cherrat) – MISR
- Eumerus pulchellus* Loew, 1848
Séguy 1961; Claußen 1989b; Dirickx 1994; Sahib et al. 2020
- Eumerus punctifrons* Loew, 1857
Leclercq 1961a, **EM**, Melilla; Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020
- Eumerus pusillus* Loew, 1848
Claußen 1989b, **HA**, Tizi-n'Test (1900 m); Dirickx 1994; Sahib et al. 2020
- Eumerus sabulonum* (Fallén, 1817)
Séguy 1961; Claußen 1989b; Dirickx 1994; Sahib et al. 2020
- Eumerus schmideggeri* Steenis, Hauser & Zuijen, 2017
Steenis et al. 2017, **AA**, Sidi R'bat (37 km S Agadir); Sahib et al. 2020

Eumerus strigatus (Fallén, 1817)³⁴

Kanervo 1939, **Rif**, **HA**; Timon-David 1951, **AP**, Rabat, Sehoul; Claußen 1989b, **MA**, Azrou (1700 m), **HA**, Oukaimeden (2200 m), Ansegmir-Tal W Midelt; Claußen and Hauser 1990, **MA**, Ifrane, Hajeb; Dirickx 1994; Mouna 1998; Speight 2013; Sahib et al. 2020

Eumerus subornatus Claußen, 1989b

Claußen 1989b, **HA**, Tizi-n'Test (1900 m); Schmid 1995; Speight 2013, 2018; Dirickx 1994; Sahib et al. 2020

Eumerus truncatus Rondani, 1868

Steenis et al. 2017, **AA**, S. Aït-Baha, 11 km NW Taliouine, 25 km NE Tizinit, 20 km E Tizinit, Assaka; Speight 2018; Sahib et al. 2020

Merodon* Meigen, 1803³⁵Merodon aberrans* Egger, 1860

= *Lampetia aberrans* Egger, in Séguy 1961: 174

Séguy 1961; Claußen 1989b; Dirickx 1994; Marcos-Garcia et al. 2007; Koçak and Kemal 2010; Vujic et al. 2011; Speight 2013, 2018; Sahib et al. 2020

Merodon aeneus Meigen, 1822³⁶

= *Lampetia aenea* Meigen, in Becker and Stein 1913: 86; Kanervo 1939: 5; Timon-David 1951: 146

Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a; Séguy 1930a, **AP**, Vallée Oued Korifla, **MA**, Tizi-s'Tkrine; Kanervo 1939, **Rif**; Timon-David 1951; Séguy 1961; Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020

Merodon arrasus Becker, 1921³⁷

Becker 1921, **Rif**, Tanger; Claußen 1989b; Dirickx 1994; Sahib et al. 2020

Merodon aurifer Loew, 1862

= *Merodon distinctus* Palma, 1864

= *Lampetia distincta* Palm, in Timon-David 1951: 146

34 *Eumerus strigatus* is not recorded from Morocco by Claußen and Hauser 1990, or by Claußen 1989b. However, it is listed for Morocco by Claußen 1989b, based on records from earlier authors (Kanervo 1939; Timon-David 1951). *Eumerus strigatus* is now known to be a complex of at least four species (*E. consimilis*, *E. narcissi*, *E. sogdianus*, *E. strigatus*). Any of those four species might be present in Morocco, but *E. strigatus* is the least likely to be present, given its rarity in the Mediterranean zone of Europe.

35 Revision of the *Merodon constans* species group (Vujić et al. 2020) has revealed the existence of cryptic taxa whose status is as yet uncertain. The name *constans* can only be applied provisionally to the species recorded from Morocco, until these issues are resolved and the identity of Moroccan specimens can be meaningfully re-assessed.

36 Revision of *Merodon* shows that *M. aeneus* (often also referred to as *M. aureus*) is confined to the Alps of southern Europe. Two very similar species, *M. pumilus* and *M. unicolor*, are known from N. Africa. Moroccan records of *M. aeneus* almost certainly refer to either *M. pumilus* or *M. unicolor*.

37 *Merodon arrasus* is probably a junior synonym of *Merodon eques* Fabricius, 1805 (Ebejer and Bensusan 2010).

- Timon-David 1951, **AP**, Zaer, **MA**, Ifrane; Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020; Vujić et al. 2021c
- Merodon avidus* Rossi, 1782³⁸
- = *Lampetia spinipes* (Fabricius), in Becker and Stein 1913: 86; Timon-David 1951: 146
 - = *Merodon spinipes* (Fabricius), in Gil Collado 1929: 409
 - = *Lampetia avida* Rossi, in Séguy 1961: 176
- Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a, **Rif**, **HA**; Séguy 1930a, **AP**, Chellah (Rabat), Oued Korifla, **MA**, Aïn Leuh; Kanervo 1939; Timon-David 1951, **AP**; Séguy 1961; Claußen 1989b, **HA**, Oukaïmeden (2600 m); Hurkmans 1993; Dirickx 1994; Mouna 1998; Koçak and Kemal 2010; Likov et al. 2020; Sahib et al. 2020, **HA**, Lac Oukaïmeden
- Merodon bequaerti* Hurkmans, 1993
- Vujić et al. 2020a, **EM**, Mountain of Beni-Snassen, **MA**, Azrou
- Merodon cabanerensis* Marcos-García, Vujić & Mengual, 2007
- Vujić et al. 2018, **HA**, Ait Mhamed (Azilal, 1700 m); Speight 2018; Sahib et al. 2020; Vujić et al. 2021
- Merodon calcaratus* (Fabricius, 1794)
- Vujić et al. 2021b, **EM**, Mountains of Béni Snassen, near Nador, **AP**, 38 km SW of El Jadida, Garbouz
- Merodon chalybeus* Wiedemann in Meigen, 1822
- = *Lampetia spicata* Becker, in Timon-David 1951: 146
 - = *Merodon spicatus* Becker, in Claußen 1989b: 365, 373
- Timon-David 1951, **AP**, forest of Maâmora; Claußen 1989b, **HA** (2500 m); Dirickx 1994; Mouna 1998; Marcos-García et al. 2007; Speight 2013, 2018; Sahib et al. 2020; **AP** (Cap Cantin) – MISR
- Merodon clavipes* (Fabricius, 1781)
- Hurkmans 1993, **MA**; Marcos-García et al. 2007; Koçak and Kemal 2010; Sahib et al. 2020
- Merodon eques* Fabricius, 1805
- = *Lampetia eques* (Fabricius), in Séguy 1961: 178
- Séguy 1961; Claußen 1989b; Dirickx 1994; Ebejer and Bensusan 2010, **AA**; El Hawagry and Gilbert 2019; Sahib et al. 2020
- Merodon equestris* (Fabricius, 1794)
- = *Eristalis ferrugineus* (Fabricius), in Fabricius 1805: 240
 - = *Lampetia equestris* (Fabricius), in Séguy 1961: 178, 179
- Fabricius 1805, **AP**; Séguy 1961; Claußen 1989b; Dirickx 1994; Sahib et al. 2020
- Merodon escaleraï* Gil Collado, 1929
- Gil Collado 1929a, **AP**, Essaouira; Claußen 1989b; Dirickx 1994; Speight 2018; Sahib et al. 2020

38 Revision of the *Merodon avidus* complex by Popović et al. (2015) demonstrates the presence of *M. ibericus* in Morocco, but not *M. avidus*. Given the confusion between these species, earlier records of *M. avidus* from Morocco could refer either to *avidus* or *ibericus*.

Merodon femoratus Sack, 1913

= *Merodon biarcuatus* Curran, 1939, in Curran 1939: 6, 7; Claußen 1989: 373; Dirickx 1994: 79; Koçak and Kemal 2010: 1199; Speight 2018: 137

= *Merodon elegans* Hurkmans, 1993, in Hurkmans 1993: 195; Schmid 1995; Marcos-Garcia et al. 2007: 553; Speight 2018: 141

Curran 1939, **AP**, forest of Maâmora (Rabat); Claußen 1989b; Hurkmans 1993, **AP**; Dirickx 1994; Schmid 1995; Marcos-Garcia et al. 2007; Koçak and Kemal 2010; Speight 2018; Likov et al. 2020

Merodon geniculatus Strobl, 1909

Gil Collado 1929a, **Rif**; Claußen 1989b, **HA** (2500 m); Dirickx 1994; Mouna 1998; Marcos-Garcia et al. 2007; Koçak and Kemal 2010; Speight 2013, 2018; Sahib et al. 2020, **HA**, Lac Oukaïmeden – MISR

Merodon hurkmansi Marcos-García, Vujić & Mengual, 2007

Marcos-García et al. 2007

Merodon ibericus Vujić, 2015

= *Merodon bicolor* Gil Collado, 1930

Popović et al. 2015, **MA**, Azrou, Ifrane; Acanski et al. 2016; Speight 2018; Sahib et al. 2020

Merodon italicus Rondani, 1845

Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Mouna 1998

Merodon longicornis Sack, 1913

Claußen and Hauser 1990, **MA**; Dirickx 1994; Sahib et al. 2020

Merodon maroccanus Gil Collado, 1929

Gil Collado 1929a, **AP**, Essaouira; Claußen 1989b; Dirickx 1994; Sahib et al. 2020

Merodon minutus Strobl, 1893

= *Lampetia minutus* Strobl, in Séguy 1961: 180

Séguy 1961; Leclercq 1961a; Claußen 1989b; Dirickx 1994; Speight 2013, 2018; Sahib et al. 2020

Merodon monticolus Villeneuve, 1924

Kassebeer 1998a, **HA**, Ouirgane, Taftraoute, Taliouine; Sahib et al. 2020

Merodon murorum (Fabricius, 1794)

= *Syrphus murorum* (Fabricius), in Fabricius 1794: 288

= *Merodon auripilus* (Meigen), in Meigen 1830: 354

= *Lampetia auripila* Meigen, in Séguy 1941d: 13; Mouna 1998: 86

Fabricius 1794; Meigen 1830; Séguy 1941d, **AA**, Agadir; Séguy 1961; Claußen 1989b; Dirickx 1994; Mouna 1998; Vujić et al. 2018, **AP**, Essaouira; Sahib et al. 2020

Merodon pruni (Rossi, 1790)

= *Lampetia pruni* (Rossi), in Becker and Stein 1913: 86

= *Merodon pruni* var. *obscurus* Gil Collado, in Gil Collado 1929: 407, 408

Becker and Stein 1913; Gil Collado 1929a, **Rif**, Tanger; Claußen 1989b; Hurkmans, 1993; Dirickx 1994; Koçak and Kemal 2010; Sahib et al. 2020

Merodon pumilus Macquart, 1849

Ebejer et al. 2019, **Rif**, Moulay Abdelsalam (965 m); Sahib et al. 2020

Merodon rufus Meigen, 1838

= *Lampetia rufa* Meigen, 1838, in Becker and Stein 1913: 86

Becker and Stein 1913, **Rif**; Claußen 1989b; Dirickx 1994; Sahib et al. 2020

Merodon segetum (Fabricius, 1794)

Peck 1988; Claußen 1989b; Dirickx 1994; Sahib et al. 2020

Merodon serrulatus Wiedemann in Meigen, 1822

Hurkmans 1993; Speight 2013, 2018; Sahib et al. 2020; Vujić et al. 2020a

Merodon sophron Hurkmans, 1993

Hurkmans 1993, **MA**, Azrou; Schmid 1995; Koçak and Kemal 2010; Vujić et al. 2020a, **MA**, Azrou

Merodon tangerensis Hurkmans, 1993

Hurkmans 1993, **Rif**, Tanger; Schmid 1995; Koçak and Kemal 2010; Sahib et al. 2020

Merodon tricinctus Sack, 1913

= *Lampetia tricincta* Sack, in Timon-David 1951: 146

Timon-David 1951, **MA**, Ifrane; Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020

Merodon unguicornis Strobl, 1909

Ebejer et al. 2019, **MA**, 10 km S of Azrou (1775 m); Sahib et al. 2020, **Rif**, maison forestière

Platynochaetus* Wiedemann, 1830Platynochaetus rufus* Macquart, 1835

Gil Collado 1929a, **AP**, Mogador; Dirickx 1994; Sahib et al. 2020

Platynochaetus setosus (Fabricius, 1794)

Gil Collado 1929a, **HA**, Marrakech; Séguy 1953a, **AA**, Souss: Aïn Chaib; Claußen 1989b; Dirickx 1994; Speight 2013, 2018; Sahib et al. 2020

Milesiini

Milesia* Latreille, 1804Milesia crabroniformis* (Fabricius, 1775)

Claußen and Hauser 1990, **MA**, Ifrane, Hajeb; Dirickx 1994; Sahib et al. 2020

Spilomyia* Meigen, 1803Spilomyia maroccana* Kuznetzov, 1997

= *Spilomyia digitata* (Rondani), in Becker and Stein 1913: 86

Becker and Stein 1913, **Rif**, Tanger; Claußen 1989b, **HA**, Tizi-n'Test (1900 m); Claußen and Hauser 1990, **MA**, Ifrane, Hajeb; Kuznetzov 1997; Dirickx 1994; Kassebeer 1999d; Steenis 2000; Sahib et al. 2020

Syritta* Le Peletier & Serville, 1828Syritta flaviventris* Macquart, 1842

Claußen 1989b, **AP**, Kénitra; Dirickx 1994; Sahib et al. 2020, **EM**, farm Saf-Saf

Syrretta pipiens (Linnaeus, 1758)

Becker and Stein 1913, **Rif**, Tanger; Gill Collado 1929a; Séguy 1930a, **AP**, Rabat, Casablanca, **MA**, Meknès; Kanervo 1939; Timon-David 1951, **AP**, Rabat, **AA**, Agdz; Leclercq 1961a, **EM**, Melilla; Claußen 1989b, **HA**, Tizi-n'Test (1900 m); Claußen and Hauser 1990, **MA**, Ifrane, Hajeb; Dirickx 1994; Mouna 1998; Pârvu et al. 2006, **AP**, Merja Zerga; Popescu-Mirceni 2011; Sahib et al. 2020, **Rif**, Bni Maaden, dam Moulay Bouchta, Oued Koub, Douar Kitane, Oued Maggou, **EM**, farm Saf-Saf, **MA**, vicinity of Ifrane, **HA**, vicinity of Asni, Tizi-n'Test, **AA**, Oued Assa; **AP** (Rabat), **MA** (Aïn Leuh), **SA** – MISR

Temnostoma* Le Peletier & Serville, 1828Temnostoma bombylans* (Fabricius, 1805)

Séguy 1961, **MA**; Claußen 1989b; Dirickx 1994; Sahib et al. 2020

Xylota* Meigen, 1822Xylota segnis* (Linnaeus, 1758)

= *Zelima* (*Xylota*) *segnis* Linnaeus, in Becker and Stein 1913: 86; Timon-David 1951: 147

Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a; Timon-David 1951, **HA**, Zaouia Ahansal; Leclercq 1961a, **Rif**, Azib de Ketama; Claußen 1989b; Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Dirickx 1994; Mouna 1998; Sahib et al. 2020, **Rif**, Aïn El Maounzil, Oued Koub, Oued Sidi Ben Saâda, **HA**, vicinity of Asni; **HA** (Zaouiet Ahansal) – MISR

Rhingiini

Cheilosia* Meigen, 1822Cheilosia brunnipennis* Becker, 1894

= *Chilosia flavipes* (Panzer), in Kanervo 1939: 2

Kanervo 1939, **HA**; Kassebeer, 1998c, **MA**; Séguy 1961; Claußen 1989b; Speight 2013, 2018; Sahib et al. 2020

Cheilosia flavipes (Panzer, 1798)

Mouna 1998: 86

Cheilosia grossa (Fallén, 1817)

Kassebeer 1998c, **HA**, Asif Mellah, Tizi-n'Tichka; Speight 2013, 2018; Sahib et al. 2020

Cheilosia latifrons (Zetterstedt, 1843)

= *Cheilosia intonsa* Loew, in Timon-David 1951: 144

Timon-David 1951, **AP**, Sehoul; Claußen 1989b; Dirickx 1994; Mouna 1998; Kassebeer 1998c, **Rif**, Ouezzane, **AP**, Oued Loukous, Larache, **MA**, Ifrane, **HA**, Oukaimeden; Sahib et al. 2020

Cheilosia mutabilis (Fallén, 1817)

Speight 2013, 2018

Cheilosia griseiventris Loew, 1857

= *Chilosia marokkana* Becker, in Becker 1894: 395; Becker and Stein 1913: 87

= *Cheilosia maroccana* Becker, 1894, in Gil Collado 1929: 405

Becker 1894; Becker and Stein 1913; Gil Collado 1929a; Séguy 1961; Claußen 1989b; Dirickx 1994; Kassebeer 1998c, **MA**, **HA**; Sahib et al. 2020

Cheilosia paralobi Malski, 1962

= *Cheilosia longula* (Zetterstedt, 1838), in Gil Collado 1929: 405

Gil Collado 1929a; Claußen 1989b, **MA**, Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Dirickx 1994; Kassebeer 1998c, **HA**; Speight 2013, 2018; Sahib et al. 2020

Cheilosia parva Kassebeer, 1998

Kassebeer 1998c, **MA**, Azrou, Ifrane (1650 m); Claußen and Speight 2007; Sahib et al. 2020

Cheilosia rodgersi Wainwright, 1911

Becker and Stein 1913, **Rif**, Tanger; Claußen 1989a; Dirickx 1994; Kassebeer 1998c, **Rif**, Tanger; Speight 2013, 2018; Sahib et al. 2020

Cheilosia scutellata (Fallén, 1817)

Gil Collado 1929a, **Rif**; Claußen 1989b; Dirickx 1994; Kassebeer 1998c, **Rif**, Chefchaouen, **MA**, Ouiouane, Ifrane; Sahib et al. 2020

Cheilosia soror (Zetterstedt, 1843)

= *Cheilosia rufipes* (Preyssler, 1793), in Claussen and Hauser 1990: 436, Kassebeer 1998c: 65

Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Kassebeer 1998c, **MA**, Ifrane; Dirickx 1994; Sahib et al. 2020

Cheilosia variabilis (Panzer, 1798)

Kassebeer 1998c, **MA**, Ifrane; Speight 2013, 2018; Khaganinia and Kazerani 2014; Sahib et al. 2020

***Ferdinandea* Rondani, 1844**

Ferdinandea fumipennis Kassebeer, 1999

Kassebeer 1999b, **MA**, Ifrane, Azrou, **HA**, Marrakech, Ouirgane; Speight 2013, 2018; Sahib et al. 2020

Volucellini

***Volucella* Geoffroy, 1762**

Volucella inanis (Linnaeus, 1758)

Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Dirickx 1994; Sahib et al. 2020

Volucella liquida Erichson, 1841

Gil Collado 1929a, **Rif**; Séguy 1930a, **AP**, Mogador, **MA**, Azrou, Bekrit; Kanervo 1939, **MA**; Séguy 1953a, **MA**, Ifrane; Timon-David 1951, **MA**, Ifrane, Azrou, **HA**, Aït Mohamed Sgatt; Leclercq 1961a, **Rif**, Azib de Ketama, **MA**, Dayat Aoua, Ifrane, Azrou; Claußen 1989b; Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Dirickx 1994; Mouna 1998; Sahib et al. 2020, **Rif**, jumb Kitane – MISR

Volucella zonaria Poda, 1761

Séguy 1930a, **AP**, Casablanca; Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020; **AP** (Rabat, Casablanca) – MISR

***Brachypalpus* Macquart, 1834**

Brachypalpus valgus (Panzer, 1798)

Kassebeer 1998a, **MA**, Ifrane, **HA**, Ouirgane; Sahib et al. 2020

Psilotini

***Psilota* Fallén, 1823**

Psilota atra (Fallén, 1817)

= *Psilota toubkalana* Kassebeer, 1995, in Kassebeer 1995: 395–400

Kassebeer 1995, **HA**; Smit and Vujic 2008, **HA**, Ouirgane, Marrakech; Speight 2018; Sahib et al. 2020, **MA**, Douar Zaouiat Cheikh

Pipizinae

Pipizini

***Heringia* Rondani, 1856**

Heringia heringi (Zetterstedt, 1843)

Kassebeer 1998a, **HA**, Tahanaout, Ouirgane; Sahib et al. 2020

***Pipizella* Rondani, 1856**

Pipizella thapsiana Kassebeer, 1995

Kassebeer 1995, **HA** (1000 m); Speight 2013, 2018; Sahib et al. 2020, **MA**, Douar Zaouiat Cheikh

***Triglyphus* Loew, 1840**

Triglyphus escaleraei Gil Collado, 1929

Gil Collado 1929a, **Rif**, Tanger; Dirickx 1994; Speight 2013; Sahib et al. 2020

Syrphinae

Bacchini

***Melanostoma* Schiner, 1860**

Melanostoma mellinum (Linnaeus, 1758)

Becker and Stein 1913, **Rif**, Tanger; Séguy 1934b, **AP**, Korifla; Timon-David 1951, **MA**, Ifrane, Azrou, Aïn Leuh, **HA**, Aït Mizane; Leclercq 1961a, **MA**, Ifrane; Claußen 1989b, **HA**, Ansegmir-Tal W Midelt (1400); Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Mouna 1998; Pârvu and Zaharia 2007; Sahib et al. 2020, **Rif**, Dayat Rahrah, Aïn el Ma Bared, Oued Dardara, Dayat El Ânassar, Dayat Lemtahane, Garden Ksar Al Rimal, tributary Oued Tazarine, Oued Farda, Dayat El Birdiyel, maison forestière, stream at 1 km from Sidi Yahia Aârab, Dayat Amsemlil, **EM**, farm Saf-Saf, **MA**, Oued d'Ifrane, **HA**, Lac Oukaimeden – MISR

Melanostoma mundum Czerny & Strobl, 1909

Dakki 1997; Mouna 1998

Melanostoma scalare (Fabricius, 1794)

Gil Collado 1929a, **Rif**; Claußen 1989b; Dirickx 1994; Sahib et al. 2020, **Rif**, Aïn el Ma Bared, Oued Mezine, Aïn Quanquben, Aïn Takhninjoute, Oued Koub

***Platycheirus* Le Peletier & Serville, 1828**

Platycheirus albimanus (Fabricius, 1781)³⁹

Séguy 1930a, **HA**, Tizi-n'Test, Jebel Imdress; Mouna 1998; Kassebeer 1998b

Platycheirus ambiguus (Fallén, 1817)

Kassebeer 1998b, **HA**; Sahib et al. 2020

Platycheirus atlas Kassebeer, 1998

Kassebeer 1998b, **MA**, Azrou, Ifrane; Sahib et al. 2020

Platycheirus fulviventr (Macquart, 1829)

Ebejer et al. 2019, **AA**, 14 km E of Rich (Errachidia, 1278 m); Sahib et al. 2020

Platycheirus manicatus (Meigen, 1822)

Séguy 1961; Claußen 1989b; Dirickx 1994; Mouna 1998; Kassebeer 1998b, **HA**, Toubkal; Sahib et al. 2020

Platycheirus marokkanus Kassebeer, 1998

Kassebeer 1998b, **MA**, **HA**; Speight 2018; Sahib et al. 2020, **Rif**, Aïn Takhninjoute, **HA**, Douar Akhlij Tnine Ourika

***Xanthandrus* Verrall, 1901**

Xanthandrus comtus (Harris, 1776)

Gil Collado 1929a, **Rif**, Tanger; Claußen 1989b; Dirickx 1994; Sahib et al. 2020

Paragini

***Paragus* Latreille, 1804**

Paragus albifrons (Fallén, 1817)

Kanervo 1939; Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020

Paragus atlas Claußen, 1989

Claußen 1989b, **HA**, Tizi-n'Test (1900 m); Dirickx 1994; Schmid 1995; Speight 2013, 2018; Sahib et al. 2020

Paragus bicolor (Fabricius, 1794)

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **MA**, Tizi-s'Tkrine, forest of Timelilt, Azrou; Kanervo 1939, **AP**, **HA**; Séguy 1949a, **SA**, Guelmim; Timon-David 1951, **MA**, Ifrane; Claußen 1989b; Claußen and Hauser 1990, **HA**, Tizi-n'Test; Dirickx 1994; Dakki 1997; Sahib et al. 2020, **Rif**, Douar Dacher-yène, **HA**, vicinity of Asni; **MA** (Fès, Ifrane, Azrou) – MISR

Paragus cinctus Schiner & Egger, 1853

Claußen 1989b, **HA**, Tizi-n'Test (1900 m); Dirickx 1994; Speight 2013, 2018; Sahib et al. 2020, **HA**, vicinity of Asni

³⁹ *Platycheirus albimanus* is removed from the list for Morocco by Kassebeer 1998, who describes two new Moroccan species closely related to *P. albimanus*.

Paragus coadunatus Rondani, 1847

Claußen and Hauser 1990, **MA**, Ifrane, Hajeb; Dirickx 1994; Speight 2013, 2018; Sahib et al. 2020

Paragus flammeus Goeldlin, 1971

Claußen and Hauser 1990; Dirickx 1994; Speight 2013, 2018; Sahib et al. 2020

Paragus haemorrhous Meigen, 1844

Claußen 1989b, **MA**, Azrou (1700 m); Dirickx 1994; Sahib et al. 2020, **Rif**, Oued Mharhar

Paragus hermonensis Kaplan, 1981

Claußen 1989b, **MA**, Azrou (1700 m); Dirickx 1994; Sahib et al. 2020

Paragus quadrifasciatus Meigen, 1822

= *Paragus pulcherrimus* Strobl, in Timon-David 1951: 144

Timon-David 1951, **MA**, Ifrane; Claußen 1989b, **AP**, Kénitra; Claußen and Hauser 1990, **MA**, Ifrane, Hajeb; Dirickx 1994; Mouna 1998; Sahib et al. 2020, **Rif**, Douar Kitane, **AA**, Agadir airport; **MA** (Ifrane) – MISR

Paragus majoranae Rondani, 1857

Claußen and Hauser 1990, **MA**; Dirickx 1994; Sahib et al. 2020

Paragus pecchiolii Rondani, 1857

Claußen and Hauser 1990, **MA**, Ifrane (1750 m), Hajeb

Paragus strigatus Meigen, 1822

= *Paragus bimaculatus* Meigen, in Wiedemann 1824: 33

Wiedemann 1824, **AP**; Claußen 1989b; Claußen and Hauser 1990, **MA**, Ifrane (1750 m), Hajeb; Dirickx 1994; Speight 2018; Sahib et al. 2020

Paragus tibialis (Fallén, 1817)

= *Paragus tibialis meridionalis* Becker, in Becker and Stein 1913: 88; Gil Collado 1929: 403; Leclercq 1961: 241

Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a; Kanervo 1939; Séguy 1949a, **SA**, Guelmim; Leclercq 1961a, **Rif**, Bab Taza, **MA**, Taza; Claußen 1989b; Claußen and Hauser 1990, **HA**, Tizi-n'Test (2000 m); Dirickx 1994; Dakki 1997; Grabener 2017; Sahib et al. 2020, **HA**, vicinity of Asni, Ijoukak vicinity; **AP** (Rabat) – MISR

Paragus vandergooti Marcos-Garcia, 1986

Claußen 1989b, **HA**, Tizi-n'Test à (1900 m); Claußen and Hauser 1990, **MA**, Ifrane, Hajeb; Dirickx 1994; Speight 2013, 2018; Sahib et al. 2020

Syrphini

Chrysotoxum* Meigen, 1803Chrysotoxum bicinctum* (Linnaeus, 1758)

Timon-David 1951, **MA**, Ifrane, **HA**, Haute Réghaya; Leclercq 1961a, **MA**, Mischliffen (2019 m); Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020; **MA**, **HA** – MISR

Chrysotoxum intermedium Meigen, 1822

Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a; Séguy 1930a, **MA**, Tizi-S'Tkrine, Aïn Leuh, forest of Taffert, **HA**, Tizi-n'Test, Goundafa; Kanervo 1939; Claußen 1989b; Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Dirickx 1994; Mouna 1998; Pârvu et al. 2006, **AP**, Cap Bedouza; Dousti and Hayat 2006; Pârvu and Zaharia 2007; Kazerani et al. 2013b; Sahib et al. 2020, **Rif**, 1 km after Dardara, Oued Azila, Dayat Jebel Zemzem, Aïn El Maounzil, Oued Tafoughalt, **MA**, Douar Zaouiat Cheikh, **HA**, vicinity of Asni, **AA** Douar Issafen; **AP** (Rabat), **MA** (Aïn Leuh), **HA** (Réghaya) – MISR

Chrysotoxum volaticum Séguy, 1961

Séguy 1961, **MA**; Claußen 1989b, **HA**, Oukaïmeden (2600 m); Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Dirickx 1994; Sahib et al. 2020

Dasysyrphus Enderlein, 1938*Dasysyrphus albostrigatus* (Fallén, 1817)

Kassebeer 1998a, **HA**, Bin-el-Ouidane, Ouirgane, Imlil, Asni; Sahib et al. 2020

Epistrophe Walker, 1852*Epistrophe eligans* (Harris, 1780)

= *Syrphus ochrostoma* (Zetterstedt), in Becker and Stein 1913: 88; Claußen 1989b: 372

Becker and Stein 1913, **Rif**, Tanger; Claußen 1989b; Kassebeer 1998a, **MA**, Ifrane, **HA**, Imlil, Asni, Ouirgane; Sahib et al. 2020, **Rif**, Dayat Tazia

Epistrophe eligans (Harris, 1870) var. *trifasciata* Strobl

Ebejer and Bensusan 2010, **AA**; Djellab et al. 2013

Episyrphus Matsumura & Adachi, 1917*Episyrphus balteatus* (De Geer, 1776)

= *Syrphus balteatus* De Geer, in Becker and Stein 1913: 88; Séguy 1930a: 129

= *Epistrophe balteata* (De Geer), in Gil Collado 1929: 406; Kanervo 1939: 3; Timon-David 1951: 144

Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a; Séguy 1930a, **AP**, Rabat, **MA**, Aïn Sferguila; Timon-David 1951, **AP**, forest of Maâmora, Rabat, **HA**, Marrakech; Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020, **Rif**, Sebt Zinate, Aïn Sidi Brahim Ben Arrif, dam Nakhla, Aïn Boughaba, Garden Ksar Al Rimal, Oued Aârkoub, Dayat Rahrah, Oued Sahel, dam Moulay Bouchta, maison forestière, Ksar El Kébir, Dayat Jebel Zemzem, Oued Taida, stream at 1 km from Sidi Yahia Aârab, Aïn Quanquben, Oued Maggou, Forest Bab El Karn, Douar Kitane, forest El Mahfoura, **HA**, Aïn Zarka of Meski, **AA**, Douar Zaouia; **AP** (Rabat) – MISR

Eupeodes Osten-Sacken, 1877*Eupeodes corollae* (Fabricius, 1794)

= *Syrphus berber* Bigot, in Bigot 1884: 88

= *Syrphus corollae* Meigen, in Becker and Stein 1913: 88; Séguy 1930a: 129, Kanervo 1939: 3; Gil Collado 1929: 406

= *Syrphus corollae* Fabricius, in Timon-David 1951: 144

= *Metasyrphus corollae* (Fabricius), in Dirickx 1994: 89

Bigot 1884; Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a; Séguy 1930a, **HA**, Tizi-n'Test, Jebel Imdress, Goundafa; Kanervo 1939; Timon-David 1951, **AP**, forest of Maâmora, Rabat, Sidi Taibi, **HA**, Réghaya, Tazzarine, **AA**, Agdz, Plaine de Souss (Taroudant); Leclercq 1961a, **MA**, Ifrane; Claußen and Hauser 1990, **MA**, Ifrane (1750 m), **HA**, Oukaimeden (3200 m), **AA**, Tan-Tan; Dirickx 1994; Mouna 1998; Pârvu and Zaharia 2007; Grabener 2017; El Hawagry and Gilbert 2019; Sahib et al. 2020, **Rif**, Village Sebt Zinate, Aïn el Ma Bared, Garden Ksar Al Rimal, Oued Bin EL Ouidane, Oued Sahel, Aïn Takhninjoute, stream at 1 km from Sidi Yahia Aârab, Oued Jnane Niche, dam Smir, Oued Boumarouil, Dayat Jebel Zemzem, Oued Maggou, Meadow Fahs Lmhar, Douar Kitane, forest El Mahfoura, **MA**, Douar Zaouiat Cheikh, **HA**, vicinity of Asni, Ijoukak vicinity, Lac Oukaimeden; **AA** Agdz – MISR

Eupeodes latifasciatus (Macquart, 1829)

= *Syrphus latifasciatus* Macquart, in Séguy 1949: 156; Séguy 1953a: 84

= *Metasyrphus latifasciatus* (Macquart), in Dirickx 1994: 89

Séguy 1949a, **SA**, Guelmim; Séguy 1953a, **AA**, Oued Khoref; Claußen 1989b; Dirickx 1994; Dakki 1997; Sahib et al. 2020, **Rif**, Douar Kitane, maison forestière, Oued Ametrasse

Eupeodes luniger (Meigen, 1822)

= *Metasyrphus luniger* (Meigen), in Dirickx 1994: 90, 237

= *Syrphus luniger* Meigen, in Gil Collado 1929: 406

Gil Collado 1929a, **AP**; Claussen 1989b; Dirickx 1994; Sahib et al. 2020, **Rif**, Oued Maggou, Oued Martil, Belyounech, Douar Kitane, **MA**, Douar Ben Smim, **HA**, vicinity of Asni

Eupeodes nuba (Wiedemann, 1830)

= *Syrphus rufinasutus* Bigot, in Bigot 1884: 88, Séguy 1961: 107

= *Metasyrphus nuba* (Wiedemann), in Dirickx 1994: 90, 238

Bigot 1884; Séguy 1961; Claußen 1989b, **HA**, Ansegmir-Tal W Midelt (1400 m); Dirickx 1994; Dousti and Hayat 2006; Ehteshamnia et al. 2010; Naderloo et al. 2011; Speight 2013, 2018; Kazerani et al. 2013b; El Hawagry and Gilbert 2019; Sahib et al. 2020

Eupeodes punctifer (Frey, 1934)⁴⁰

Mouna 1998: 86

***Ischiodon* Sack, 1913**

Ischiodon aegyptius (Wiedemann, 1830)

= *Simosyrphus aegyptius* (Wiedemann, 1830)

Gil Collado 1929a; Timon-David 1951, **AP**, Rabat, **AA**, Agdz; Mouna 1998; Grabener 2017; Mengual 2018; Sahib et al. 2020; **AP** (Rabat) – MISR

⁴⁰ *Eupeodes punctifer* is almost confined to Northern Europe, north of the Arctic Circle, and a record from Morocco seems almost impossible. It is not possible to suggest on which species the Moroccan record might be based.

Lapposyrphus* Dušek & Láska, 1967Lapposyrphus lapponicus* (Zetterstedt, 1838)= *Syrphus arcuatus* Fallén, 1817, in Becker and Stein 1913: 88= *Metasyrphus lapponicus* (Zetterstedt, 1838), in Dirickx 1994: 89= *Eupeodes lapponicus* (Zetterstedt, 1838), in Claußen 1989b: 372Becker and Stein 1913, **Rif**; Claußen 1989b; Dirickx 1994; Sahib et al. 2020***Meliscaeva* Frey, 1946***Meliscaeva auricollis* (Meigen, 1822)= *Epistrophe auricollis* Meigen, in Becker and Stein 1913: 89; Gil Collado 1929: 406; Timon-David 1951: 145Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a; Timon-David 1951, **AP**, Oued Korifla, Zaers, Rabat; Claußen 1989b; Dirickx 1994; Mouna 1998; El Hawagry and Gilbert 2019; Sahib et al. 2020, **Rif**, Aïn el Ma Bared, Dayat El Ânassar, Belyounech, Oued Mezine, dam Moulay Bouchta, Aïn Afersiw, dam Entrasol, Oued à 15 km de Fifi, jumb Kitane, Oued Maggou, Douar Kitane, Oued Sahel, **MA**, Aïn Ouilili; **AP** (Rabat, Zaers) – MISR*Meliscaeva cinctella* (Zetterstedt, 1843)= *Syrphus cinctellus* Zetterstedt, in Séguy 1934b: 162Séguy 1934b, **MA**, Oued Leben (Taounate); Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020 – MISR***Scaeva* Fabricius, 1850***Scaeva albomaculata* (Macquart, 1842)= *Lasipticus albomaculata* (Macquart), in Gil Collado 1929: 405; Timon-David 1951: 145= *Lasiophthicus albomaculatus* Macquart, in Séguy 1953a: 84Gil Collado 1929a; Séguy 1953a, **MA**, Immouzer; Timon-David 1951, **AP**, Rabat, **MA**, El Harcha; Leclercq 1961a, **MA**, Azrou; Claußen 1989b, **MA**, Azrou (1700 m); Claußen and Hauser 1990, **MA**, Ifrane; Dirickx 1994; Mouna 1998; Dousti and Hayat 2006; Ehteshamnia et al. 2010; Naderloo et al. 2011; Speight 2013, 2018; Kazerani et al. 2013b; Grabener 2017; El Hawagry and Gilbert 2019; Sahib et al. 2020, **Rif**, Belyounech, **HA**, Aïn Zarka of Meski, Lac Oukaïmeden; **AP** (Rabat, Cap Cantin), **EM** (Debdou) – MISR*Scaeva dignota* (Rondani, 1857)Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Dirickx 1994; Sahib et al. 2020, **Rif**, Oued Maggou, Dayat Lemtahane*Scaeva mecogramma* (Bigot, 1860)Dirickx 1994; Kassebeer 1998a, **Rif**, Chefchaouen, **AP**, Kénitra, **HA**, Ouirgane; Sahib et al. 2020*Scaeva pyrastris* (Linnaeus, 1758)= *Catabomba pyrastris* Linnaeus, in Becker and Stein 1913: 88= *Lasiophthicus pyrastris* Linnaeus, in Séguy 1930a: 128= *Lasipticus pyrastris* Linnaeus, in Gil Collado 1929: 405, Timon-David 1951: 145

Becker and Stein 1913, **Rif**; Gil Collado 1929a, **AP**; Séguy 1930a, **AP**, forest of Zaers, forest of Maâmora, **MA**, Tizi-s'Tkrine; Timon-David 1951, **AP**, Rabat, **MA**, Ifrane; Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020, **Rif**, Dayat Jebel Zemzem, stream at 1 km from Oued Sidi Yahia Aârab, **AA**, 1 km before Douar Aïn Lahmar; **AP** (Rabat, Cap Cantin) – MISR

Scaeva selenitica (Meigen, 1822)

= *Lasiophthicus seleniticus* Meigen, in Séguy 1930a: 128

Séguy 1930a, **HA**, Aguerd el Had, **AA**, Talekjount (Souss); Claußen 1989b; Dirickx 1994; Mouna 1998; Sahib et al. 2020

***Sphaerophoria* Le Peletier & Serville, 1828**

Sphaerophoria interrupta (Fabricius, 1805)

= *Sphaerophoria menthastri* (Linnaeus), in Becker and Stein 1913: 87; Kanervo 1939: 3; Timon-David 1951: 145; Séguy 1961: 109

Kanervo 1939, **AP**, **MA**, **HA**; Becker and Stein 1913, **Rif**; Timon-David 1951, **AP**, Kénitra, Rabat, **MA**, Harcha, Ifrane, Sefrou, **HA**, Agdz; Claußen 1989b; Dirickx 1994; Mouna 1998; El Hawagry and Gilbert 2019; Sahib et al. 2020; **AP** (Rabat), **MA** (Ifrane, Meknès) – MISR

Sphaerophoria rueppelli (Wiedemann, 1830)

Kanervo 1939, **Rif**, **HA**; Timon-David 1951, **AP**, Rabat, **AA**, Agadir, Agdz, Zagora; Séguy 1961; Claußen 1989b, **HA**, Ansegmir-Tal W Midelt (1400 m); Dirickx 1994; Mouna 1998; El Hawagry and Gilbert 2019; Sahib et al. 2020, **Rif**, Tarmast tributary, Oued Sidi Ben Saâda, Dayat Amsemlil, **EM**, farm Saf-Saf, **MA**, Oued d'Ifrane; **AP** (Rabat), **AA** (Agadir, Agdz, Zagora) – MISR

Sphaerophoria scripta (Linnaeus, 1758)

= *Sphaerophoria dispar* (Meigen), in Timon-David 1951: 145

Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a, **Rif**; Séguy 1930a, **AP**, Tlet n'Rhohr, **MA**, forest of Timelilt, Aïn Leuh, **EM**, Berkane; Kanervo 1939, **Rif**, **AP**, **MA**, **HA**; Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m); Timon-David 1951, **AP**, Rabat, **MA**, Harcha, Sefrou, Ifrane; Leclercq 1961a, **MA**, Dayat Aoua, Ifrane, Azrou; Claußen 1989b, **MA**, Azrou (1700 m), **HA**, Oukaïmeden, Tizi-n'Test (1900 m), Ansegmir-Tal W midelt (1400 m); Claußen and Hauser 1990, **MA**, Ifrane, Hajeb (1750 m), **HA**, Oukaïmeden (3200 m); Dirickx 1994; Mouna 1998; Pârvu and Zaharia 2007; El Hawagry and Gilbert 2019; Sahib et al. 2020, **Rif**, Oued Aârkoub, dam Nakhla, meadow Mizoghar, Oued Dardara, 1 km after Dardara, Dayat El Birdiyel, palm grove Igrane, Aïn Quanquben, maison forestière, Oued Sidi Ben Saâda, Dayat Lemtahane, Dayat Amsemlil, forest El Mahfoura, **EM**, farm Saf-Saf, **MA**, Oued d'Ifrane, **HA**, vicinity of Asni, Lac Oukaïmeden, **AA**, Msidira – MISR

Sphaerophoria taeniata (Meigen, 1822)

= *Sphaerophoria menthastri* var. *taeniata* Meigen, in Timon-David 1951: 10

Timon-David 1951, **AP**, Rabat, saline mud; Claußen 1989b; Dirickx 1994; Sahib et al. 2020; **MA** (Aïn Leuh, Azrou, Timahdit) – MISR

Syrphus* Fabricius, 1775Syrphus ribesii* (Linnaeus, 1758)Kassebeer 1998a, **Rif**, Chefchaouen, Tétouan; Sahib et al. 2020, **Rif**, Douar Kitane*Syrphus vitripennis* Meigen, 1822Gil Collado 1929a, **Rif**, Tanger; Claußen 1989b; Dirickx 1994; Sahib et al. 2020***Xanthogramma* Schiner, 1860***Xanthogramma dives* (Rondani, 1857)Ebejer et al. 2019, **AA**, 29 km N of Rich (Errachidia, 1570 m); Sahib et al. 2020*Xanthogramma evanescens* Becker, 1913Becker and Stein 1913, **Rif**; Claußen 1989b; Dirickx 1994; Sahib et al. 2020*Xanthogramma marginale* (Loew, 1854)= *Xanthogramma marginale* var. *morenae* Loew, in Becker and Stein 1913: 86, Gil Collado 1929: 406Becker and Stein 1913, **Rif**, Tanger; Gil Collado 1929a, **Rif**; Kanervo 1939, **Rif**, **HA**; Séguy 1961; Claußen and Hauser 1990, **MA**, Ifrane (1750 m); Mouna 1998; Claußen 1989b; Dirickx 1994; Ebejer and Bensusan 2010, **AA**; Speight 2013, 2018; Sahib et al. 2020, **Rif**, village Sebt Zinate, Oued Maggou, Oued Ametrasse, Douar Kitane*Xanthogramma pedissequum* (Harris, 1776)= *Xanthogramma ornatum* (Meigen, 1822), in Gil Collado 1929: 406Gil Collado 1929a, **Rif**, Tanger; Claußen 1989b; Dirickx 1994; Sahib et al. 2020**Conopoidea****CONOPIDAE⁴¹**

K. Kettani

Number of species: **34**. Expected: 40

Faunistic knowledge of the family in Morocco: good

Conopinae

Conopini

Conops* Linnaeus, 1758Conops aegyptiacus* (Rondani, 1850)

Kröber 1915, 1928

41 Although the faunistic knowledge is good in that there are many species recorded, this does not mean the identifications and taxonomy are all correct (Stuke, in litteris 26.v.2016). Given several recent revisions, especially within the genera *Myopa*, *Physocephala*, and *Thecophora*, most of the Moroccan species listed here are in need of careful reconsideration.

Conops ceriaeformis Meigen, 1804

= *Conops acuticornis* Loew, 1847, in Becker and Stein 1913: 89

Becker and Stein 1913, **Rif**, Tanger; Kröber 1924, 1928, **Rif**, Tanger

Conops djanetianus Séguy, 1938

Mouna 1998: 85

Conops elegans Meigen, 1824

= *Conops semifumosus* Adams, in Séguy 1934b: 162

= *Conops ruficornis* Becker, 1913, in Becker and Stein 1913: 89; Kröber 1924: 69
Becker and Stein 1913, **Rif**, Tanger; Kröber 1924, 1927, **AP**, Casablanca;
Séguy 1934b, **Rif**, Tanger; Stuke 2016; El Hawagry et al. 2021

Conops nubeculipennis Bezzi, 1901

= *Conops atrogonius* Séguy, 1930, in Séguy 1930a: 134; Séguy 1953a: 85; Mouna 1998: 85

Séguy 1930a, **AP**, Rabat, Mogador; Séguy 1953a, **MA**, Dayat Ifrah; Mouna 1998; Stuke and Schmid-Egger 2015, **AA**, 1.5 km S of Tissint, 14 km NW of Icht; Stuke 2016; El Hawagry et al. 2021

Conops theryi Séguy, 1928

Séguy 1928d; Séguy 1930a, **AP**, Rabat, Casablanca; Mouna 1998

Conops tifedarius Séguy, 1928

Séguy 1928d; Séguy 1930a, **AP**, Rabat; Mouna 1998

Leopoldius Rondani, 1843

Leopoldius coronatus (Rondani, 1857)

= *Brachyglossum coronatum* Rondani, in Séguy 1930a: 132; Mouna 1998: 85

Séguy 1930a, **MA**, Aïn Leuh (1400–1500 m); Mouna 1998

Physocephalini

Physocephala Schiner, 1861

Physocephala chrysorrhoea (Meigen, 1824)

Séguy 1930a, **AP**, Sidi Bettache; Mouna 1998; El Hawagry et al. 2021

Physocephala laticincta (Brullé, 1832)

Séguy 1930a, **MA**, Aïn Leuh (1400–1500 m); Bei-Bienko and Steyskal 1989;
Mouna 1998

Physocephala maculigera Kröber, 1915

Séguy 1941d, **AA**, Agadir; Mouna 1998

Physocephala nigra (De Geer, 1776)

Séguy 1930a, **AP**, Sidi Bettache

Physocephala pusilla (Meigen, 1804)

Séguy 1928d; Séguy 1930a, **MA**, Meknès, Ras el Ksar (1900 m), **HA**, Asni;
Mouna 1998; Stuke and Schmid-Egger 2015, **AA**, Aoulouz, 2 km NW of
Tissint; El Hawagry et al. 2021

Physocephala rufipes (Fabricius, 1781)

Mouna 1998; **AP** (Tagulet (Essaouira)) – MISR

Physocephala vittata (Fabricius, 1794)

Séguy 1928d; Séguy 1930a, **AP**, Rabat, Casablanca, **MA**, Meknès, Forêt Zaers; Mouna 1998; Stuke and Schmid-Egger 2015, **AA**, Aoersi (15 km NE of Agadir), **AA**, Oued near beach (19 km W of Tiznit); El Hawagry et al. 2021; **HA** – MISR

Pseudophysocephala Kröber, 1940*Pseudophysocephala bouvieri* (Séguy, 1936)

= *Conops bouvieri* Séguy, in Séguy 1936a: 299

Séguy 1936a, **MA**, Meknès (550 m); Sidney 2001, **MA**, Meknès

Dalmanninae

Dalmannini

Dalmannia Robineau-Desvoidy, 1830*Dalmannia aculeata* (Linnaeus, 1761)

Séguy 1928d; Séguy 1930a, **MA**, Aïn Leuh, Meknès; Mouna 1998 – MISR

Dalmannia dorsalis (Fabricius, 1794)

= *Dalmannia flavescens* (Meigen), in Becker and Stein 1913: 90

Becker and Stein 1913, **Rif**, Tanger; Stuke and Kehlmaier 2008, **MA**, Fès

Myopinae

Myopini

Melanosoma Robineau-Desvoidy, 1853*Melanosoma bicolor* (Meigen, 1824)

Séguy 1941d, **AA**, Agadir (Admine forest); Mouna 1998

Melanosoma mundum Czerny & Strobl, 1909

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **HA**, Tafingoult (Goundafa, 1500–1600 m), **AA**, Tenfeht (Souss, 1000–1500 m); Séguy 1953a, **HA**, Aït Ourir; Séguy 1949a, **AA**, Foug-el-Hassan; Mouna 1998; Stuke and Schmid-Egger 2015, **AA**, SE of Awir (10 km NNW of Agadir), Talmakant (80 km NE of Agadir), **AA**, 19 km W of Tiznit, Massa river (25 km NE of Tiznit), Imitek (30 km WSW of Tata), Issafen (55 km WNW of Tata); Grabener 2017

Myopa Camras, 1953*Myopa buccata* (Linnaeus, 1758)

Mouna 1998; **MA** (Oulmès) – MISR

Myopa dorsalis Fabricius, 1794

Séguy 1930a, **MA**, Jebel Ahmar (1750 m); Mouna 1998; **MA** (Oulmès); El Hawagry et al. 2021 – MISR

Myopa hirsuta Stuke & Clements, 2008

Stuke and Clements 2008, **MA**, Azrou, Ifrane

Myopa nigrita Wiedemann, 1824

Wiedemann 1824, 1830; Kröber 1916, 1928

Myopa pellucida Robineau-Desvoidy, 1830

Stuke and Clements 2008, **Rif**, Chefchaouen, **HA**, Ourika

Myopa picta Panzer, 1798

Séguy 1930a, **AP**, Casablanca, **MA**, Meknès; Mouna 1998; El Hawagry et al. 2021

Myopa stigma Meigen, 1824

Becker and Stein 1913, **Rif**, Tanger; El Hawagry et al. 2021

Myopa testacea (Linnaeus, 1767)

Séguy 1930a, **AP**, Casablanca, Fouarat, **HA**, Arround (Skoutana: 2000–2400 m), Tachdirt, Jebel Likount; Mouna 1998; **AP** (Fouarat) – MISR

Myopa palliceps (Bigot, 1887)

= *Myopa minor* Strobl, in Clements 2000: 239

= *Myopa vaulogeri* Séguy, in Séguy 1930a: 136; Clements 2000: 236

Séguy 1930a, **AP**, Casablanca; Villeneuve 1933; Mouna 1998; Clements 2000, **AP**, Casablanca, **HA**, Marrakech, Ourigane (1000 m), **AA**, Ammelental (10 km NE of Tafraoute)

***Thecophora* Rondani, 1845**

Thecophora atra (Fabricius, 1775)

= *Occemyia atra* Fabricius, in Séguy 1930a: 137; Becker and Stein 1913: 90

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **AP**, Sidi Bettache, **MA**, Meknès, **HA**, Asni, **AA**, Taroudant (Souss); Mouna 1998; **HA** (Mouldikht (Marrakech)); El Hawagry et al. 2021 – MISR

Thecophora cinerascens (Meigen, 1804)

= *Thecophora pusilla* (Meigen, 1824), in Pârvu et al. 2006: 276; Popescu-Mirceni 2011: 35

Pârvu et al. 2006, **MA**, Ifrane; Popescu-Mirceni 2011, **MA**, Ifrane

Sicini

***Sicus* Scopoli, 1763**

Sicus ferrugineus (Linnaeus, 1761)

Séguy 1930a, **MA**, Aïn Leuh; Zimina 1975; Mouna 1998; **MA** (Tizi-n'Ifragh, Guisser (1400 m)) – MISR

Zodioninae

Zodionini

***Zodion* Latreille, 1797**

Zodion cinereum (Fabricius, 1794)

Séguy 1930a, **MA**, Meknès, **HA**, Around (Skoutana); Mouna 1998; Grabener 2017

Zodion erythrurum Rondani, 1865

Séguy 1930a, **AP**, Casablanca, **HA**, Dar Caïd M'Tougui; Mouna 1998; Stuke and Schmid-Egger 2015, **AA**, Tamzergoute (10 km N of Agadir); El Hawagry et al. 2021

Nerioidea

MICROPEZIDAE

K. Kettani, M.J. Ebejer

Number of species: **1**. Expected: 2

Faunistic knowledge of the family in Morocco: poor

Micropeza Meigen, 1803

Micropeza kettaniae Ebejer, 2019

Ebejer 2019b, **Rif**, Oued Kbir (Béni Ratene, 157 m), Dayat Tazia (Tazia, 733 m) – MISR, NHMUK

Tanypezoidea

PSILIDAE

K. Kettani, M.J. Ebejer

Number of species: **1**. Expected: 5

Faunistic knowledge of the family in Morocco: poor

Chamaepsila Hendel, 1917

Chamaepsila nigricornis (Meigen, 1826)

Ebejer et al. 2019, **Rif**, Tétouan, Onsar Lile (349 m), Aïn Tissemlal (Azilane, 1255 m), **MA**, 17 km SW of Midelt (1940 m), Lac Aguelmane Afennourir (30 km SW of Azrou, 2050 m)

Tephritoidea

LONCHAEIDAE

K. Kettani, I. MacGowan

Number of species: **5**. Expected: 30

Faunistic knowledge of the family in Morocco: poor

Dasiopinae

Dasiops Rondani, 1856

Dasiops latifrons (Meigen, 1826)

Séguy 1934a; Mouna 1998; MacGowan and Freidberg 2008; **AP** (Rabat) – MISR; **Rif** (Tanger), **AP** (Rabat) – MHNP

Lonchaeinae

Lamprolonchaea* Bezzi, 1920Lamprolonchaea smaragdi* (Walker, 1849)= *Lonchea aurea* Macquart, 1851, in Séguy 1953a: 85Becker and Stein 1913, **Rif**, Tanger; Séguy 1934a; Séguy 1953a, **AP**, Rabat, **MA**, Fès; Rungs 1952, **HA**, Arganier; Mouna 1998***Lonchaea* Fallén, 1820***Lonchaea tarsata* Fallén, 1820

MacGowan and Freidberg 2008

Lonchaea sp.= Recorded as *Lonchaea laticornis* Meigen, 1826 but almost certainly not this species
Becker and Stein 1913, **Rif**, Tanger***Silba* Macquart, 1851***Silba adipata* McAlpine, 1956= *Lonchaea aristella* Becker, 1903, in Séguy 1934b: 162Séguy 1934b, **AP**, Rabat; MacGowan and Freidberg 2008; **AP** (Rabat) – MNHN**PALLOPTERIDAE**

K. Kettani, M.J. Ebejer

Number of species: **1**. Expected: 3

Faunistic knowledge of the family in Morocco: poor

Palloptera* Fallén, 1820Palloptera ustulata* (Fallén, 1820)Ebejer et al. 2019, **MA**, Zaouia d'Ifrane (Ifrane, 1603 m)**PIOPHILIDAE**

K. Kettani, M.J. Ebejer

Number of species: **3**. Expected: 6

Faunistic knowledge of the family in Morocco: poor

Piophilinae

Mycetaulus* Loew, 1845Mycetaulus hispanicus* Duda, 1927

Mouna 1998; Carles-Tolrá 2002

Piophila* Fallén, 1810Piophila casei* (Linnaeus, 1758)Séguy 1930a, **Rif**, Tanger, **AP**, Rabat, **MA**, Meknès; Mouna 1998; **Rif** (Tanger), **AP** (Rabat), **MA** (Meknès) – MISR

Prochyliza* Walker, 1849Prochyliza nigrimana* (Meigen 1826)Ebejer et al. 2019, **Rif**, Aïn Tissemlal (Azilane, 1255 m)**PLATYSTOMATIDAE**

K. Kettani, G.V. Popov

Number of species: **4**. Expected: 4

Faunistic knowledge of the family in Morocco: moderate

Platystomatinae

Platystoma* Meigen, 1803Platystoma idia* Séguy, 1934⁴²Séguy 1934a, **AP**, Aïn Sferguila (Forêt Zaers); Hennig 1945, **AP**, Aïn Sferguila (Forêt Zaers); Soós 1984a*Platystoma meridionale* Hendel, 1913= *Platystoma seminationis* (Fabricius), in Becker 1907: 385Becker 1907; Hendel 1913, **AP**, Mogador; Hennig 1945, **AP**, Mogador; Soós 1984a, **AP**, Mogador***Rivellia* Robineau-Desvoidy, 1830***Rivellia hispanica* Lyneborg, 1969Ebejer et al. 2019, **EM**, Tafoughalt*Rivellia syngenesiae* (Fabricius, 1781)Becker and Stein 1913, **Rif**, Tanger; Mouna 1998; **MA** (Oulmès, Meknès) – MISR**TEPHRITIDAE**

K. Kettani, A.L. Norrbom

Number of species: **69**. Expected: 75

Faunistic knowledge of the family in Morocco: moderate

Dacinae

Ceratitidini

Capparimyia* Bezzi, 1920Capparimyia savastanii* (Martelli, 1911)= *Capparimyia savastanii* (Martelli), in Séguy 1953a: 85Séguy 1953a, **AA**, Tiznit (on *Capparis spinosa*); El Harym and Belqat 2017

⁴² *Platystoma idia* is possibly a synonym of *P. meridionale* Hendel.

Ceratitis* MacLeay, 1829Ceratitis capitata* (Wiedemann, 1824)

Becker and Stein 1913, **Rif**, Tanger; Vayssière 1920, **AP**, Rabat; Séguy 1930a (common in all of Morocco); Rungs 1952, **HA**, Arganier; Harris et al. 1980; Mouna 1998; De Meyer 2000, **AP**, Ouadj-Ouli-Mohamed, env. Settat, Insgane; Vidal et al. 2008; Aboussaid et al. 2009; Koçak and Kemal 2010; El Harym and Belqat 2017, **Rif**, Kitane, El Haouta, **MA**, Sensla, **AA**, Environs Massa, Oued Massa, Douar Sidi Abou, Douar Tighrimt, Douar Zaouia; Elaini and Mazih 2018; Elaini et al. 2019, **HA**, Arganeraie; **AP** (Safi) – MHNNR

Dacini

Bactrocera* Macquart, 1835Bactrocera oleae* (Rossi, 1790)

= *Dacus oleae* Rossi, in Becker and Stein 1913: 94, Vayssière 1920: 256

= *Dacus oleae* Gmelin, in Séguy 1930a: 168

Becker and Stein 1913, **Rif**, Tanger; Vayssière 1920, **EM**, Oujda; Séguy 1930a; Mouna 1998; Savio 2011, **EM**, Oujda; El Harym and Belqat 2017, **Rif**, El Haouta, Oued Maâza, Cascade Chrafate, Koudiat El Aouinate, Lâazaba, Dhar Sbagh Mâasra, El Hajria, **MA**, Sensla, **AA**, route Bab El Khemis

Dacus* Fabricius, 1805Dacus frontalis* (Becker, 1922)

El Harym and Belqat 2017, **AA**, Oued Fom Ziguïd (Douar Ouaitoute), Oued Draa (Ikhf Mezrou), Isdaoun

Dacus longistylus (Wiedemann, 1830)

El Harym and Belqat 2017, **AA**, Oued Tata, Douar Tighrimt, Oued Fom Ziguïd (Douar Ouaitoute)

Tephritinae

Dithrycini

Oedaspis* Loew, 1862Oedaspis daphnea* Séguy, 1930

Séguy 1930a, **AP**, El Mers (Rabat); Foote 1984; Soós 1984b; Mouna 1998; Norrbom et al. 1999; El Harym and Belqat 2017

Oedaspis multifasciata (Loew, 1850)

= *Oedaspis multifasciatus* (Loew), in Séguy 1953a: 85

Séguy 1953a, **EM**, Itzer (Haute Moulouya); El Harym and Belqat 2017

Oedaspis trotteriana Bezzi, 1913

Soós 1984b; Ribera and Blasco-Zumeta 1998; Norrbom et al. 1999; El Harym and Belqat 2017

Myopitini

Myopites* Blot, 1827Myopites cypriacus* Hering 1938El Harym et al. 2020, **Rif**, Douar Halila, Dam Nakhla, Marabout Sidi Bou Hadjel*Myopites inulaedyssentericae* Blot, 1827⁴³= *Myopites apicatus* Freidberg, 1980, in El Harym and Belqat 2017: 140El Harym and Belqat 2017, **Rif**, affluent Tarmast, Aïn Afersiw*Myopites longirostris* (Loew, 1846)El Harym et al. 2020, **Rif**, Oued Tahaddart, Douar Kouf, Mkhinak*Myopites stylatus* Fabricius, 1794El Harym and Belqat 2017, **Rif**, affluent Tarmast, Oued El Hamma, El Haouta*Myopites variofasciatus* Becker, 1903= *Myopites variofasciata* Becker, in Séguy 1941a: 32Séguy 1941a, **HA**, Imi-n'Ouaka (1500 m), Mouna 1998***Urophora* Robineau-Desvoidy, 1830***Urophora congrua* Loew, 1862⁴⁴= *Euribia congrua* Loew, in Séguy 1941d: 14Séguy 1941d, **AA**, Taroudant; Mouna 1998; El Harym and Belqat 2017*Urophora jaculata* Rondani, 1870= *Urophora mauritanica* Macquart, in El Harym and Belqat 2017: 149 (misidentification)*Urophora mauritanica* Macquart, 1851= *Euribia algira* Macquart, in Séguy 1930a: 169= *Urophora algira* Macquart, in Séguy 1934a: 98, Mouna 1998: 87= *Urophora macrura* Loew, in Séguy 1934a: 100, Mouna 1998: 87Séguy 1930a, **HA**, Imi-N'Takandout, Dar Kaid M'Tougui; Séguy 1934a; White and Korneyev 1989, **HA**, Ito; Mouna 1998; Norrbom et al. 1999; Koçak and Kemal 2010; Koçak and Kemal 2013b*Urophora quadrifasciata algerica* (Hering, 1941)= *Euribia quadrifasciata* Meigen, in Séguy 1930a: 169

Séguy 1930a (common in all North Africa); Mouna 1998; El Harym and Belqat 2017

El Harym et al. 2020, **MA**, Douar Oulad Abdoune, Mlakite, Tirra, Douar Oulad Amar, Tihli, Douar Oulad Amar*Urophora solstitialis* (Linnaeus, 1758)= *Euribia solstitialis* Linnaeus, in Séguy 1930a: 169Séguy 1930a, **HA**, Haute Réghaya; Mouna 1998; El Harym and Belqat 2017

⁴³ *Myopites apicatus* is probably a synonym of *M. inulaedyssentericae* Blot and at least the Moroccan record appears to be the latter species. A revision of *Myopites* is in preparation (Korneyev, pers. comm.).

⁴⁴ Records of *Urophora congrua* are possibly based on misidentifications. Confirmation requires re-examination of the specimens.

Noetini

Ensina* Robineau-Desvoidy, 1830Ensina sonchi* (Linnaeus, 1767)

El Harym and Belqat 2017, **Rif**, Ksar Rimal, Douar Tizga, Oued Kbir, **MA**, Sensla, **AA**, Oued Massa (Pont Aghbalou), Centre Sidi Ouassay, Aïn Boharroch, Atbane, Oued Tamanarne, Oued Draa (Tahtah), Jnane Makadir, Kasbah Asma, Ait Aissa O Brahim, Oued Ziz (Pont Errachidia), Oued Ouarzazate; **AA** (Tafraout (Al Ourir, 12 km E)) – MHNRR

Hypenidium* Loew, 1862Hypenidium graecum* Loew, 1862

= *Stephanaciura bipartita* Séguy, in Séguy 1930a: 171

Séguy 1930a, **MA**, Tiffert (2000–2200 m); Villeneuve 1933; Soós 1984b; Mouna 1998: 87; Norrbom et al. 1999; El Harym and Belqat 2017

Tephrellini

Aciura* Robineau-DesvoidyAciura coryli* (Rossi, 1790)

= *Aciura Powellii* Séguy, in Séguy 1930a: 170, Séguy 1953a: 85, Mouna 1998: 87
Séguy 1930a, **MA**, Azrou (larvae from *Phlomis crinita* Cav.); Séguy 1953a, **AP**, Korifla; Mouna 1998; Norrbom et al. 1999, **MA**, Azrou; El Harym and Belqat 2017; El Harym et al. 2020, **Rif**, Arhil

Oxyaciura* Hendel, 1927Oxyaciura tibialis* (Robineau-Desvoidy, 1830)

= *Aciura tibialis* Robineau-Desvoidy, in Becker and Stein 1913: 94

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **MA**, Sker; Séguy 1934a; Mouna 1998; Koçak and Kemal 2010; Koçak and Kemal 2013b; El Harym and Belqat 2017, **Rif**, Dayat El Birdiyel, Oued Azila, maison forestière; Oued Maâza (Tarik El Ouasâa); **AP** (Tamri, 10 km S) – MHNRR

Sphaeniscus* Becker, 1908Sphaeniscus filiulus* (Loew, 1869)

= *Spheniscomyia filiula* Loew, in Séguy 1930a: 170; Mouna 1998: 87

= *Spheniscomyia aegyptiaca* Efflatoun, in Séguy 1949a: 157; Mouna 1998: 87
Séguy 1930a; Séguy 1949a, **SA**, Guelmim; Mouna 1998; El Harym and Belqat 2017, **Rif**, affluent Tarmast, Oued Maâza (Tarik El Ouasâa)

Tephritini

Acanthiophilus* Becker, 1908Acanthiophilus helianthi* (Rossi, 1790)

= *Tephritis eluta* Meigen, in Becker and Stein 1913: 94

= *Orellia eluta* Meigen, in Mouna 1998: 87

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **Rif**, Tanger (Sarf, route Spartel), **MA**, Tizi s'Tkrine (Jebel Ahmar, 1700 m); Séguy 1949a, **AA**, Alnif, Foug-el-Hassan, **SA**, Guelmim; Mouna 1998; Koçak and Kemal 2013b; El Harym and Belqat 2017, **Rif**, Oued Zinat, Ksar Rimal, Oued Dardara, affluent Tarmast, Dayat El Birdiyel, Oued Azila, Dayat Jebel Zemzem, Oued Boumarouil, Douar Abou Boubnar (Marabout Sidi Gile), El Haouta, Oued Maâza (Tarik El Ouasâa), Douar Tizga, Dayat Afrate, Oued Mezine, Aïn El Malaâb, Oued Jnane Niche, **MA**, Oued Oum-er-Rbia, **AA**, Centre Sidi Ouassay, Avant Sidi Binzarne, route Bab El Khemis, airport Sidi Ifni, Oued Tisla, Oued Sayad, Oued Tamanarne, Oued Foug Ziguïd (Douar Ouafoute), Jnane Makadir, Douar Rggaga, Oued Tinghir, Oued Ouarzazate; **AP** (Essaouira (Cap Hadid), Tamri, 10 km S) – MHNNR

***Campiglossa* Rondani, 1870**

Campiglossa martii (Becker, 1908)

El Harym and Belqat 2017, **Rif**, Oued Kbir, **AA**, Centre Sidi Ouassay

Campiglossa producta (Loew, 1844)

= *Oxyna tessellata* Loew, in Becker and Stein 1913: 94 (misidentification)

= *Paroxyna tessellata* (Loew), in Séguy 1930a: 174; Mouna 1998: 87; Koçak and Kemal 2013b: 38 (misidentification)

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **Rif**, Tanger, **AP**, Mogador, **HA**, Telouet Glaoua; Séguy 1934a; Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m); Mouna 1998; Koçak and Kemal 2013b, **HA**; El Harym and Belqat 2017, **Rif**, Oued Al Mizzine, Aïn El Malaâb, Dayat El Hajjami

Campiglossa sororcula (Wiedemann, 1830)

= *Dioxyna sororcula* (Wiedemann), in El Harym and Belqat 2017: 155

El Harym and Belqat 2017, **Rif**, Ksar Rimal, Oued Jnane Niche, Oued Halila, Oued Zarka, Oued Martil, Oued Amsa, Oued Sahel, Dayat Jebel Zemzem, Oued Maggou, Dhar Sbagh Mâasra, Douar Kitane

***Capitites* Foote & Freidberg, 1981**

Capitites augur (Frauenfeld, 1857)

= *Trypanea augur* (Frauenfeld), in Séguy 1930a: 176; Mouna 1998: 87

Séguy 1930a, **MA**, Forêt Azrou, Tizi-s'Tkrine (Jebel Ahmar, 1700 m), **HA**, Tenfecht, **AA**, Souss; Mouna 1998; Pârvu et al. 2006, **AA**, Ouarzazate, Lac Edehby; Popescu-Mirceni 2011, **MA**, Tizi-s'Tkrine, Azrou, **HA**, Tenfecht, **AA**, Ouarzazate

Capitites ramulosa (Loew, 1844)

= *Acanthiophilus ramulosus* Loew, in Séguy 1930a: 177; Séguy 1941d: 15; Séguy 1949a: 157; Mouna 1998: 87

Séguy 1930a, **MA**, Timelilt, **HA**, Tizi-n'Test (Jebel Imdress, 2000–2450 m); Séguy 1941d, **AA**, Taroudant; Séguy 1949a, **AA**, Foug-el-Hassan, Akka, Agdz, Alnif; Mouna 1998; El Harym and Belqat 2017; El Harym et al. 2020, **Rif**, Amsa, Koudiat Taifour

Desmella* Munro, 1957Desmella rostellata* (Séguy, 1941)= *Paroxyna rostellata* Séguy, in Séguy 1941d: 14; Mouna 1998: 87Séguy 1941d, **AP**, Agadir; Soós 1984b; Mouna 1998; Norrbom et al. 1999, **AP**, Agadir; El Harym and Belqat 2017***Euaresta* Loew, 1873***Euaresta bullans* (Wiedemann, 1830)Herman and Dirlbek 2006, **AA**, Tiznit environs, Sidi Moussa d'Aglou; El Harym and Belqat 2017, **AA**, Msidira***Goniurellia* Hendel, 1927***Goniurellia longicauda* Freidberg, 1980Freidberg 1980, **MA**, Tizi-s'Tkrine (1700 m), Azrou, **AA**, Taroudant; Soós 1984b; Freidberg and Kugler 1989; Norrbom et al. 1999; El Harym and Belqat 2017, **AA**, airport Sidi Ifni, Oued Tisla, Oued Tamanarne, Douar Zaouiet, Oued Tata, Douar Tighrimt, Ksibat Elhdeb, Oued Ziz (Pont Errachidia), Oued Ouarzazate*Goniurellia persignata* Freidberg, 1980Freidberg 1980, **EM**, Defilia, near Figuig; Soós 1984b; Freidberg and Kugler 1989; Norrbom et al. 1999; Herman and Dirlbek 2006, **AA**, Tiffouloute (1146 m); El Harym and Belqat 2017, **Rif**, Dhar Sbagh Mâasra, **AA**, Douar Zaouiet, Oued Ouarzazate***Spathulina* Rondani, 1856***Spathulina sricula* Rondani, 1856= *Spathulina tristis* Loew, in Séguy 1930a: 174; Mouna 1998: 87Séguy 1930a; Mouna 1998; El Harym and Belqat 2017, **Rif**, Barrage Smir***Sphenella* Robineau-Desvoidy, 1830***Sphenella marginata* (Fallén, 1814)Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **Rif**, Oued Judios (Tanger); Mouna 1998; Cassar et al. 2005, **Rif**, lagoon Smir; Koçak and Kemal 2013b, **HA**; El Harym and Belqat 2017, **Rif**, affluent Tarmast, Dayat Jebel Zemzem, El Malaâb, Oued Maâza (Âachira), Dayat Aïn Jdioui, Oued Maggou, Dayat Afrate***Tephritis* Latreille, 1804***Tephritis carmen* Hering, 1937El Harym et al. 2020, **Rif**, forest house of National Park of Talassemtane*Tephritis dioscurea* (Loew, 1856)Séguy 1930a, **MA**, El Hajeb; Mouna 1998; El Harym and Belqat 2017*Tephritis divisa* (Rondani, 1871)El Harym and Belqat 2017, **Rif**, Dayat Amsemlil*Tephritis formosa* (Loew, 1844)Séguy 1930a, **HA**, Asni; Mouna 1998; El Harym and Belqat 2017, **Rif**, Oued Abou Bnar, Oued Sidi Ben Saâda, Oued Achekrade, Oued El Kanar*Tephritis leontodontis* (De Geer, 1776)

Séguy 1930a (All North Africa); Mouna 1998; El Harym and Belqat 2017

Tephritis matricariae (Loew, 1844)

Séguy 1930a (all North Africa); Mouna 1998; El Harym and Belqat 2017, **Rif**, affluent Oued Amsemlil, El Haouta, Dayat Jebel Zemzem, Dayat Amsemlil, Oued El Hamma

Tephritis nigricauda (Loew, 1856)

Séguy 1930a, **AP**, Berrechid; Séguy 1934a; Séguy 1941d, **AP**, Agadir, Berrechid; Mouna 1998; El Harym and Belqat 2017, **Rif**, Dayat Jebel Zemzem, Oued Maâza (Tarik El Ouasâa), Aïn El Maounzil, Dayat Tazia, Dayat Amsemlil, Douar Tamakoute

Tephritis postica (Loew, 1844)

Herman and Dirlbek 2006, **MA**, Volubilis (358 m); El Harym and Belqat 2017, **AA**, Ksibat Elhdeb, Oued Tinghir

Tephritis praecox (Loew, 1844)

Séguy 1930a, **Rif**, Oued Judios (Tanger), **MA**, Tizi-s'Tkrine (Jebel Ahmar, 1700 m); Mouna 1998; Herman and Dirlbek 2006, **MA**, Ifrane, Azrou National Park (1743 m); El Harym and Belqat 2017, **Rif**, Dayat El Ânassar, Dayat Amsemlil, affluent Oued Amsemlil, Douar Dacheryène, Douar Taghbaloute, Barrage Nakhla, Oued Sahel, Daya Jebel Zemzem, Douar Kitane, Oued El Hamma, Oued Kbir, Aïn el Ma Bared, Aïn El Malaâb, Douar Abou Boubnar (Marabout Sidi Gile), maison forestière, Douar Tizga, Oued Aïn Jdioui (Touaret), Dayat Afrate, Oued Jbara, Aïn El Maounzil, Dayat Tazia, Oued Jnane Niche, Oued Maggou, Aïn Tiouila, Dayat Lemtahane, Lâazaba, Dhar Sbagh Mâasra, El Hajria, Aïn Boharroch, Douar Tamakout, Douar Ouslaf, **EM**, Oued Béni Ouaklane (Béni Snassen); **AP** (Essaouira) – MHNNR

Tephritis pulchra (Loew, 1844)

Séguy 1930a; Mouna 1998; El Harym and Belqat 2017

Tephritis simplex (Loew, 1844)

Séguy 1930a; Mouna 1998; El Harym and Belqat 2017; El Harym et al. 2020, **Rif**, Aïn Soualah, Aïn El Maounzil

Tephritis stictica Loew, 1862

Séguy 1930a, **AP**, Rabat; Mouna 1998; El Harym and Belqat 2017

Tephritis theryi Séguy, 1930

Séguy 1930a, **HA**, Marrakech, Asni; Soós 1984b; Mouna 1998; Norrbom et al. 1999; El Harym and Belqat 2017

Tephritis vespertina (Loew, 1844)

El Harym and Belqat 2017, **Rif**, Dayat Lemtahane, Dhar Sbagh Mâasra

Tephritomyia* Hendel, 1927Tephritomyia lauta* (Loew, 1869)

= *Acanthiophilus lauta* Loew, in Séguy 1930a: 177; Mouna 1998: 87

Séguy 1930a, **HA**, Tachdirt (Imminen, 2400–2600 m); Freidberg and Kugler 1989; Mouna 1998; Yaran and Kütük 2012; Morgulis et al. 2015, **HA**, Tizi-n'Tichka; El Harym and Belqat 2017, **Rif**, Dayat El Birdiyel, Dayat Amsemlil, Lâazaba, **AA**, Msidira, Oued Ouarzazate

Trupanea* Schrank, 1795Trupanea amoena* (Frauenfeld, 1857)= *Trypanea amoena* Frauenfeld, in Séguy 1930a: 176; Mouna 1998: 87

Séguy 1930a, **MA**, Aïn Leuh; Mouna 1998; El Harym and Belqat 2017, **Rif**, Ksar Rimal, Oued Jnane niche, affluent Tarmast, Oued Martil (Tamouda), Oued Amsa, Oued El Hamma, Oued Boumarouil, Oued Sidi Yahia Aârab, Aïn Tiouila, **AA**, Oued Massa (Pont Aghbalou), Centre Sidi Ouassay, Avant Sidi Binzarne, Oued Tisla, Douar Tighrimt, Oued Draa (Tahtah), Jnane Makadir, Douar Rggaga, Aït Aissa O Brahim, Oued Draa (Ikhf Mezrou), Isdaoun, Ksibat Elhdeb, Oued Tinghir

Trupanea guimari (Becker, 1908)

El Harym and Belqat 2017, **AA**, Centre Sidi Ouassay, Msidira, Jnane Makadir, Aït Aissa O Brahim, Ksibat Elhdeb; Norrbom 2004: 06600136 – INHS (**AA**, 5 km W Ouarzazate)

Trupanea stellata (Fuesslin, 1775)

Séguy 1930a, **MA**, Timelilt (1900 m); Séguy 1949a, **SA**, Guelmim; Mouna 1998; El Harym and Belqat 2017, **Rif**, Mizoghar, Oued Maâza (Tarik El Ouasâa), Dayat Afrate, Aïn El Malâab, Oued Tkaræ, **AA**, Centre Sidi Ouassay; **AA** (Taliouine) – MHNNR

Terellini

Chaetorellia* Hendel, 1927Chaetorellia conjuncta* (Becker, 1912)

El Harym and Belqat 2017, **AA**, Airport Sidi Ifni, Oued Assa, Oued Sayad, Oued Foum Ziguïd (Douar Ouaitoute), Ksibat Elhdeb, Oued Ziz (Pont Errachidia), Oued Ouarzazate

Chaetorellia hestia Hering, 1937= *Chaetorellia hexachaeta* Loew, in Séguy 1930a: 174 [probably a misidentification]= *Orellia hexachaeta* Loew, in Séguy 1934a: 135 [misidentification, see White and Macquart 1989: 476]; Mouna 1998: 87

Séguy 1930a, **AP**, Mogador; Séguy 1934a; Mouna 1998; El Harym and Belqat 2017, **AA**, Centre Sidi Ouassay

Chaetorellia succinea (Costa, 1844)

El Harym et al. 2020, **MA**, Douar Oulad Abdoune

Chaetostomella* Hendel, 1927Chaetostomella cylindrica* (Robineau-Desvoidy, 1830)

El Harym et al. 2020, **Rif**, Marabout Douar Halila, Mkhinak, Douar Kitane

Terellia* Robineau-Desvoidy, 1830Terellia colon* (Meigen, 1826)= *Orellia colon* (Meigen), in Séguy 1930a: 173

Séguy 1930a (common in all North Africa); Mouna 1998; El Harym and Belqat 2017

Terellia fuscicornis (Loew, 1844)

Séguy 1930a (common in all North Africa); Mouna 1998; El Harym and Belqat 2017

Terellia longicauda (Meigen, 1838)

Séguy 1930a, **MA**, Aïn Leuh (1200–1400 m), **HA**, Tizi-n'Test, Goundafa (Jebel Imdress, 2000–2450 m); Séguy 1934a; Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m); Mouna 1998; El Harym and Belqat 2017

Terellia luteola (Wiedemann, 1830)

El Harym et al. 2020, **Rif**, Bakrim, Aforidane, Aïn Siyed

Terellia oasis (Hering, 1938)

El Harym et al. 2020, **Rif**, Douar Halila

Terellia ptilostemi El Harym et al. 2021

El Harym et al. 2021, **Rif**, Douar Chourdane (908 m), Aïn Akorian (1610 m), Aïn Elma Sefli (1345 m), Forest house of the Talassemrane National Park (1674 m)

Terellia serratulae (Linnaeus, 1758)

= *Tephritis pallens* Wiedemann, in Wiedemann 1824: 54

= *Trypeta serratula* Linnaeus, in Becker and Stein 1913: 94

= *Terellia serratulae* Linnaeus, in Séguy 1930a: 173

Wiedemann 1824, **Rif**, Tanger; Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a (all North Africa); Mouna 1998; Norrbom et al. 1999; El Harym and Belqat 2017, **Rif**, Dayat Jebel Zemzem, Oued Maâza (Tarik El Ouasâa)

Terellia virens (Loew, 1846)

Séguy 1930a; White 1989, **HA**, Jebel Ayachi; Mouna 1998; Korneyev et al. 2013, **HA**, Tizi-n'Talrhem; El Harym and Belqat 2017, **AA**, airport Sidi Ifni, Oued Ouarzazate

Trypetinae

Carpomyini

Carpomya* Costa, 1854Carpomya incompleta* (Becker, 1903)

El Harym and Belqat 2017, **AA**, Douar Zaouia

Euleia* Walker, 1835Euleia heraclei* (Linnaeus, 1758)

= *Acidia heraclei* Linnaeus, in Séguy 1953a: 85

Séguy 1953a, **MA**, Sidi Slimane; Freidberg and Kugler 1989; Koçak and Kemal 2010; El Harym and Belqat 2017, **Rif**, Oued Boumarouil, Aïn El Âakba Larbaâ

Euleia marmorea (Fabricius, 1805)⁴⁵

= *Philophylla flavescens* Fabricius, in Séguy 1930a: 170; Mouna 1998: 87

⁴⁵ *Euleia marmorea* may be a synonym of *Euleia heraclei*.

- = *Euleia flavescens* Fabricius, in Soós 1984b: 88
 Séguy 1930a, **Rif**, Tanger; Zimsen 1964; Soós 1984b; Mouna 1998; Norrbom
 et al. 1999, **Rif**, Tanger; El Harym and Belqat 2017

Trypetini

***Chetostoma* Rondani, 1856**

Chetostoma curvinerve Rondani, 1856

El Harym and Belqat 2017, **Rif**, Oued Kelaâ, Bab el Karn

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ULIDIIDAE

K. Kettani, M.J. Ebejer

Number of species: **13**. Expected: 18

Faunistic knowledge of the family in Morocco: good

Otitinae

***Ceroxys* Macquart, 1835**

Ceroxys urticae Linnaeus, 1758

Ebejer et al. 2019, **AP**, Lower Loukous (6 m), Larache (5 m)

***Dorycera* Meigen, 1830**

Dorycera griseipennis (Becker, 1907)

Soós 1984b

***Herina* Robineau-Desvoidy, 1830**

Herina ghilianii Rondani, 1869

Kameneva 2007, **HA**, Ansegmir-Tal, W Midelt (1400 m); Ebejer 2015

Herina lacustris (Meigen, 1826)

Kameneva 2007, **Rif**, Baie de Tanger

Herina oscillans (Meigen, 1826)

= *Herina schlueteri* Becker, in Becker and Stein 1913: 92; Soós 1984b: 56

Becker and Stein 1913, **Rif**, Tanger; Soós 1984b; Kameneva 2007, **Rif**, Tanger

***Melieria* Robineau-Desvoidy, 1830**

Melieria nigritarsis Becker, 1903

Ebejer et al. 2019, **AA**, Merzouga (714 m)

***Otites* Latreille, 1804**

Otites tangeriana Becker, 1913

= *Otites tangeriana* Becker, in Becker and Stein 1913, 1918: 92

Becker and Stein 1913, 1918, **Rif**, Tanger; Soós 1984b, **Rif**, Tanger

Tetanops* Fallén, 1820Tetanops flavescens* Macquart, 1835Séguy 1930a, **Rif**, Tanger; Mouna 1998

Ulidiinae

Physiphora* Fallén, 1810Physiphora alceae* (Preyssler, 1791)

= *Chrysomyza demandata* (Fabricius, 1798), in Séguy 1953a: 85; Mouna 1998: 87
 Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **HA**, Goundafa; Séguy
 1953a, **SA**, El Aöun du Draa; Séguy 1949a, **AA**, Agdz; Mouna 1998; Koçak
 and Kemal 2010; Kameneva and Korneyev 2016, **AA**, Tizi-n'Bachkoun (1600
 m); **Rif** (M'Diq farm) – MISR; **Rif** (Tanger) – MfN; **AP** (Casablanca) – ZSSM

Physiphora smaragdina (Loew, 1852)Kameneva and Korneyev 2016, **AA**, 25 km S Goulmima (100 m) – NHMD***Ulidia* Meigen, 1826***Ulidia apicalis* (Meigen, 1826)

Séguy 1930a, **MA**, Meknès, **HA**, Skoutana; Séguy 1934a; Lyneborg 1969;
 Soós 1984b; Mouna 1998

Ulidia erythrophthalma Meigen, 1826

Becker and Stein 1913, **Rif**, Tanger; Séguy 1949a, **AA**, Foug-el-Hassan; Mou-
 na 1998

Ulidia megacephala Loew, 1845

Soós 1984b; Zaitzev 1984; Koçak and Kemal 2010

Lauxanioidea

CHAMAEMYIIDAE

K. Kettani, M.J. Ebejer

Number of species: **18**. Expected: 24

Faunistic knowledge of the family in Morocco: moderate

Chamaemyiinae

Chamaemyia* Meigen, 1803Chamaemyia aridella* (Fallén, 1823)

Ebejer 2016a, **Rif**, Moulay Abdelsalam (1180 m), Issaguen (1620 m); **HA**
 (Jebel Ayachi, Mikdane, maison forestière, MR Jaffar, Tizi-n'Zou) – NHMUK

Chamaemyia flavicornis (Strobl, 1902)

Ebejer 2016a, **Rif**, Martil beach and dunes (on human faeces), **MA**, Khénifra
 (17 km NW of Zaida, 1878 m), **AA**, Errachidia (29 km N of Rich, 1570 m);
HA (Asni near Alrene, W Imlil) – NHMUK

Chamaemyia flavipalpis (Haliday, 1838)

= *Chamaemyia maritima* Zetterstedt, in Mouna 1998: 85

Mouna 1998; Ebejer 2016a, **Rif**, Ksar Sghir, Oued Araml, Ksar Sghir, **AP**, Larache, Merja Zerga, Loukous marsh

Chamaemyia herbarum (Robineau-Desvoidy, 1830)

Ebejer 2016a, **MA**, Khénifra, 17 km SW of Midelt (1940 m), **AA**, Errachidia, 29 km N of Rich (1570 m); **HA** (Jebel Ayachi, Mikdane, MR Jaffar, Tizi-n'Zou) – NHMUK

Chamaemyia juncorum (Fallén, 1958)

Ebejer 2016a, **MA**, Khénifra (17 km SW of Midelt, 1940 m), **AA**, Errachidia (29 km N of Rich, 1570 m)

Chamaemyia polystigma (Meigen, 1830)

Becker and Stein 1913, **Rif**, Tanger; Ebejer 2016a, **Rif**, Moulay Abdelsalam (1180 m), Sidi Yahia Aarab (377 m); **HA** (Asni) – NHMUK

***Melanochthiphila* Frey, 1958**

Melanochthiphila sp. Ebejer, 2016

Ebejer 2016a, **AA**, Errachidia (30 km W of Errachidia, 1065 m)

***Parochthiphila* (*Euestelia*) Enderlein, 1927**

Parochthiphila (*Euestelia*) *coronata* (Loew, 1858)

Carles-Tolrá 1993; Mouna 1998; Ebejer 2016a, **AP**, Larache (Lower Loukous, 2 m); **HA** (Jebel Ayachi, Mikdane, MR Jaffar) – NHMUK

Parochthiphila frontella (Rondani, 1874)

Ebejer 2016a; **HA** (Jebel Ayachi, Mikdane, Tizi-n'Zou, MR Jaffar) – NHMUK

Parochthiphila inconstans Becker, 1903

Ebejer 2016a, **AA**, Ziz river (9.5 km SE of Rich, 1285 m), Errachidia (6 km N of Errachidia, 1010 m)

Parochthiphila (*Euestelia*) *nigripes* Strobl, 1900

Ebejer 2016a, **Rif**, Ksar Sghir, Dardara

Leucopinae

***Leucopis* Meigen, 1803**

Leucopis annulipes Zetterstedt, 1848

Mouna 1998; **AP** (Maâmora) – MISR

Leucopis griseola (Fallén, 1823)

Mouna 1998; **AP** (Rabat), **MA** (Meknès), **HA** (Marrakech) – MISR

Leucopis formosana Hennig, 1938

Ebejer 2016a, **AP**, Sidi Smail, Oued Tensift (estuary)

Leucopis glyphinivora Tanasijtshuk, 1958

Ebejer 2016a, **AP**, Ksar Sghir, Azemmour, Oued Tensift (estuary), **AA**, Errachidia (30 km W of Errachidia)

Leucopis kerzhneri Tanasijtshuk, 1970

Ebejer 2016a; **HA** (Jebel Ayachi) – NHMUK

Leucopis palumbii Rondani, 1872

Ebejer 2016a, **Rif**, Ksar Sghir, Oued Aliane

***Lipoleucopis* de Meijere, 1928**

Lipoleucopis pulchra Raspi, 2008

Ebejer 2016a, **AA**, Errachidia, Ziz river (12 km S of Rissani)

LAUXANIIDAE

K. Kettani, M.J. Ebejer

Number of species: **27**. Expected: 45

Faunistic knowledge of the family in Morocco: good

Homoneurinae

***Homoneura* Wulp, 1891**

Homoneura ericpoli Carles-Tolrá, 1993

Ebejer and Kettani 2019a, **Rif**, Azilane (1255 m), Adrou (556 m), **HA**, Lac Tislit (Imlchil, 2254 m)

Homoneura licina Séguy, 1941

Séguy 1941d, **AA**, Agadir; Mouna 1998; Schacht et al. 2004; Ebejer and Kettani 2019a, **Rif**, Oued Laou (2 m), **AP**, Merja Zerga, Sidi Smaine, Safi (estuary of Oued Tensift), Azemmour (El Jadida), Diabat (Essaouira), Larache (5 m)

Homoneura transversa (Wiedemann, 1830)

Wiedemann 1830; Ebejer and Kettani 2019a

***Prosopomyia* Loew, 1856**

Prosopomyia pallida Loew, 1856

Vaillant 1956b, **HA**, Oukaïmeden, Imi-N'Ifri; Carles-Tolrá 1993; Mouna 1998; Ebejer and Kettani 2019a, **Rif**, Adrou (556 m), Issaguen (1547 m), **HA**, Jebel Ayachi – NHMUK

Lauxaniinae

***Calliopum* Strand, 1928**

Calliopum oosterbroeki Shatalkin, 2000

Ebejer and Kettani 2019a, **Rif**, Oued Zarka (Yarghite, 137 m), Moulay Abdelsalam (1180 m), Ketama, Rahbat Amlay (284 m), Ikadjouen (294 m), Mechkralla (NPT, 981 m), Kharouba (roadside meadow between Chefchaouen and Tétouan, 385 m), Dbani (Béni Selmane, 1046 m), Aïn Ben Ali (Béni Selmane, 1014 m), **HA**, Lalla Takrkoust (Oued N'fis, 1141 m) – NHMUK

Calliopum tuberculosum (Becker, 1895)

Ebejer and Kettani 2019a, **Rif**, Oued Zarka (Yarghite, 135 m), Azilane (1255 m), Perdicaris Park (Tanger, 223 m), cascade Chrafate (859 m)

Meiosimyza* Hendel, 1925Meiosimyza* (*Lyciella*) *rorida* (Fallén, 1820)= *Homoneura rorida* Fallén, in Mouna 1998: 85Mouna 1998; **MA** (Aïn Leuh) – MISR***Minettia* Robineau-Desvoidy, 1830***Minettia aenigmatica* Ebejer, 2019Ebejer 2019a, **Rif**, Perdicaris Park (223 m), Oued Khmis (Khmis Anjra, 61 m), **HA**, Mikdane (Jebel Ayachi); Ebejer and Kettani 2019a*Minettia biseriata* (Loew, 1847)Ebejer and Kettani 2019a, **Rif**, Oued Khmis (Khmis Anjra, 61 m), Jnane Niche (46 m), Oued Kbir (Béni Ratene (PNPB), 157 m)*Minettia cantolraensis* Carles-Tolrá, 1998Ebejer and Kettani 2019a, **Rif**, Oued Laou, El-Fahsa, Oued Guallet (Bni Boufrah, 942 m), Oued Ouringa (2 m), Maggou (NPT, 962 m), Ksar el-Kbir road to Chefchaouen at bridge near oued Azla (80 m), Oued Siflaou (281 m), Dardara (484 m), Azilane (1255 m), Adrou (556 m), Perdicaris Park (Tanger, 223 m), Bni Bahlou (986 m), El Hamma (936 m), Amaghouse (Oued Laou), Oued Koub (Laghdar, 148 m), **EM**, Aïn Sfa (Berkane, 638 m), Tafoughalt (Berkane, 788 m), **HA**, Lalla Takrkoust (Oued N'fis, 1141 m), **AA**, Taliouine (Taroudant, 1049 m)*Minettia fasciata* (Fallén, 1826)Merz 2004, **AP**, Rabat; Ebejer and Kettani 2019a, **Rif**, Oued Khmis (Khmis Anjra, 61 m), Ksar el-Kbir road to Chefchaouen at bridge near oued Azla (80 m), Azilane (1255 m), Adrou (556 m), Issaguen (1547 m), Oued Taida (Al Andalous, 503 m), Perdicaris Park (Tanger, 223 m), El Hamma (936 m), **EM**, Aïn Sfa (Berkane, 683 m)*Minettia flavipalpis* (Loew, 1847)⁴⁶= *Sapromyza flavipalpis* Loew, 1847, in Becker and Stein 1913: 93 (**Rif**, Tanger), Ebejer and Kettani 2019a: 144 (???)*Minettia flaviventris* (Costa, 1844)Ebejer and Kettani 2019a, **Rif**, Azilane (1255 m)*Minettia longiseta* (Loew, 1847)Ebejer and Kettani 2019a, **Rif**, Maggou (NPT, 962 m), Adrou (PNPB, 556 m)*Minettia plumicornis* (Fallén, 1820)⁴⁶

Schacht et al. 2004; Ebejer and Kettani 2019a

Minettia subvittata (Loew, 1847)Ebejer and Kettani 2019a, **Rif**, Oued Khmis (Khmis Anjra, 61 m), Azilane (1255 m)*Minettia suillorum* (Robineau-Desvoidy, 1830)= *Minettia muricata* Becker, 1895, in Mouna 1998: 85Mouna 1998; Ebejer and Kettani 2019a, **Rif**, Adrou (556 m), Perdicaris Park (Tanger, 223 m), **HA**, Mikdane (Jebel Ayachi) – NHMUK

⁴⁶ *Minettia flavipalpis* and *M. plumicornis* are not confirmed for Morocco; see Ebejer and Kettani 2019a.

Minettia tabidiventris (Rondani, 1877)

Ebejer and Kettani 2019a, **Rif**, Adrou (556 m), Oued Kbir (Béni Ratene (PNPB), 157 m), Oued Koub (Laghdir, 148 m), Rahbat Amlay (284 m)

***Pachycerina* Macquart, 1835**

Pachycerina pulchra Loew, 1850

Ebejer and Kettani 2019a, **Rif**, Oued Zarka (Yarghite, 137 m)

***Peplominettia* Szilády, 1943**

Peplominettia codinai (Hennig, 1951)

Ebejer and Kettani 2019a, **Rif**, Oued Zarka (Yarghite, 137 m), Azilane (1255 m)

Peplominettia striata Szilády, 1943

Ebejer and Kettani 2019a, **Rif**, Oued Zarka (Yarghite, 137 m)

***Sapromyza* Fallén, 1810**

Sapromyza apicalis Loew, 1847

Schacht et al. 2004; Ebejer and Kettani 2019a, **HA**, Jebel Ayachi, Mikdane (stream), Lac Tislit (Imlchil, 2254 m) – NHMUK

Sapromyza gozmanyi Papp, 1981

Ebejer and Kettani 2019a, **Rif**, Oued Kbir (Béni Ratene (PNPB), 157 m), Perdicaris Park (Tanger, 223 m), Barrage Smir (M'Diq, 27 m)

Sapromyza obscuripennis Loew, 1847

Ebejer and Kettani 2019a, **Rif**, Jebel Talassemthane (1554 m), Jebel Lakraâ (1541 m)

Sapromyza unizona Hendel, 1908

Ebejer and Kettani 2019a, **Rif**, Perdicaris Park (Tanger, 223 m), **AP**, Larache (5 m)

Sapromyza (Sapromyzosoma) laevatrispina Carles-Tolrá, 1992

Ebejer and Kettani 2019a, **Rif**, Adrou (556 m), Issaguen (maison morestière, 1547 m)

Sapromyza (Sapromyzosoma) parallela Carles-Tolrá, 1992

Ebejer and Kettani 2019a, **Rif**, Adrou (556 m), Azilane (1255 m), Talassemthane (maison forestière, 1699 m), **HA**, Jaffar river (Jebel Ayachi, at maison forestière), Mikdane (Jebel Ayachi) – NHMUK

Sciomyzoidea

COELOPIDAE

K. Kettani

Number of species: **1**. Expected: 2

Faunistic knowledge of the family in Morocco: moderate

Coelopinae

***Coelopa* Meigen, 1830**

Coelopa pilipes Haliday, 1838

Séguy 1930a, **Rif**, Tanger; Dakki 1997; Lair 2013

DRYOMYZIDAE

K. Kettani

Number of species: **1**. Expected: 1

Faunistic knowledge of the family in Morocco: poor

Dryomyzinae

***Dryope* Robineau-Desvoidy, 1830**

Dryope flaveola (Fabricius, 1794)

Ebejer et al. 2019, **Rif**, Jebel Lakraâ (Talassemthane, 1596 m)

HELCOMYZIDAE

K. Kettani

Number of species: **1**. Expected: 2

Faunistic knowledge of the family in Morocco: poor

Helcomyzinae

***Helcomyza* Curtis, 1825**

Helcomyza ustulata Curtis, 1825

Cassar et al. 2005, **Rif**, Smir lagoon

SCIOMYZIDAE

K. Kettani, J-C. Vala

Number of species: **25**. Expected: 40

Faunistic knowledge of the family in Morocco: good

Sciomyzinae

Sciomyzini

***Ditaeniella* Sack, 1939**

Ditaeniella grisescens (Meigen, 1830)

Vala and Ghamizi 1991, **MA**, Ras el Ma, **AA**, Agadir; Kassebeer 1999a, **MA**, **HA**; Knutson and Vala 2011

***Pherbellia* Robineau-Desvoidy, 1830**

Pherbellia cinerella (Fallén, 1820)

= *Ditaenia cinerella* Fallén, in Séguy 1941a: 31

Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m), Imi-n'Ouaka (1500 m); Leclercq and Schacht 1987, **HA**, Ansegmir-Tal, W Midelt, **HA**, Tizi-n'Test (1900 m); Rozkošný 1987, **HA**; Vala and Ghamizi 1991, **HA**, **MA**; Carles-Tolrá 1993; Kassebeer 1999a, **MA**, **HA**; **Rif** (Talassemthane) – MISR

Pherbellia dorsata (Zetterstedt, 1846)

Kassebeer 1999a, **MA**; Knutson and Vala 2011

Pherbellia griseola (Fallén, 1820)

Kassebeer 1999a, **MA**; Knutson and Vala 2011

Pherbellia hermonensis Knutson & Freidberg, 1983

Kassebeer 1999a, **HA**; Knutson and Vala 2011

Pherbellia nana (Fallén, 1820)

= *Pherbellia villiersi* Séguy, in Séguy 1941a: 31; Knutson 1981: 336 (new comb.)

Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m); Knutson 1981, **HA**, Tachdirt; Leclercq and Schacht 1987, **HA**; Vala and Ghamizi 1989, **HA**; Kassebeer 1999a, **MA**, **HA**; Knutson and Vala 2011; **HA** – MISR

Tetanocerini

***Dichaetophora* Rondani, 1868**

Dichaetophora obliterated (Fabricius, 1805)

Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m); Leclercq and Schacht 1987; Rozkošný 1987; Vala 1989; Vala and Ghamizi 1991; Kassebeer 1999a

***Elgiva* Meigen, 1838**

Elgiva cucularia (Linnaeus, 1767)

Leclercq and Schacht 1987, **HA**, Ansegmir-Tal, W Midelt (1400 m); Vala 1989; Kassebeer 1999a

***Euthycera* Latreille, 1829**

Euthycera algira (Macquart, 1849)

Vala and Reidenbach 1982, **Rif**, Tanger; Vala 1989, **Rif**, Tanger; Vala and Ghamizi 1991; Kassebeer 1999a, **Rif**, Tanger

Euthycera soror (Robineau-Desvoidy, 1830)

= *Euthycera alaris* Vala, 1983, syn. nov. Vala (pers. comm.)

Vala 1989, **Rif**, Tanger; Vala and Ghamizi 1991, **MA**; Carles-Tolrá 1993; Kassebeer 1999a, **MA**, **HA**

Euthycera stichospila (Czerny, 1909)

= *Euthycera leclercqi* Vala & Reidenbach, 1982, syn. by Rozkošný (1987)

Czerny and Strobl 1909; Vala and Reidenbach 1982; Rozkošný 1987

Euthycera zelleri (Loew, 1847)

Kassebeer 1999a, **Rif**, Tanger

***Hydromya* Robineau-Desvoidy, 1830**

Hydromya dorsalis (Fabricius, 1775)

Séguy 1930a, **Rif**, Tanger; Leclercq and Schacht 1987, **HA**, Ansegmir-Tal, W Midelt (1400 m), **HA**, Oukaïmeden (2600 m); Dakki 1997, **Rif**, Ketama; Vala 1989, **Rif**, Tanger; Vala and Ghamizi 1991, **MA**, **HA**; Kassebeer 1999a, **MA**, **HA**; Pârvu et al. 2006, **AP**, Merja Zerga

Ilione* Haliday in Curtis, 1837Ilione albiseta* (Scopoli, 1763)Leclercq and Schacht 1987, **HA**; Vala 1989; Kassebeer 1999a*Ilione trifaria* (Loew, 1820)Séguy 1941a, **HA**, Imi-n'Ouaka (1500 m); Vala 1989, **MA**, Dayat Aoua; Vala and Ghamizi 1991, **EM, MA, HA**; Carles-Tolrá 1993*Ilione unipunctata* (Macquart, 1849)Leclercq and Schacht 1987, **HA**; Rozkošný 1987; Vala 1989; Kassebeer 1999a***Oligolimnia* Mayer, 1953***Oligolimnia zernyi* Mayer, 1953Rozkošný 1987, **HA**, Tachdirt; Leclercq and Schacht 1987, **HA**; Vala 1989, **HA**; Kassebeer 1999a, **HA*****Pherbina* Robineau-Desvoidy, 1830***Pherbina coryleti* (Scopoli, 1763)Séguy 1930a, **Rif**, Tanger; Dakki 1997; Pârvu et al. 2006, **AP**, Merja Zerga; **HA** (Issougane n'Ouagouns) – MISR*Pherbina mediterranea* Mayer, 1953Leclercq and Schacht 1987, **HA**, Ansegmir-Tal, W Midelt (1400 m); Rozkošný 1987; Vala 1989; Vala and Ghamizi 1991, **AP**, Sidi Boughaba, **HA**, south of Marrakech; Carles-Tolrá 1993; Kassebeer 1999a, **MA*****Psacadina* Enderlein, 1939***Psacadina disjecta* Enderlein, 1939Verbeke 1964, **AA**, Tlata Reisana; Leclercq and Schacht 1987, **HA**, Ansegmir-Tal, W Midelt (1400 m); Rozkošný 1987; Vala 1989; Kassebeer 1999a, **MA***Psacadina verbekei* Rozkošný, 1975Vala and Ghamizi 1991, **HA**, south of Marrakech; Kassebeer 1999a***Sepedon* Latreille, 1804***Sepedon hispanica* Loew, 1862Verbeke 1964; Vala 1989, **AP**, Mohammedia; Vala and Ghamizi 1991, **AP**, Mohammedia, **HA**, Oued Tissaout (Kelaâ Sraghna); Kassebeer 1999a*Sepedon sphegea* (Fabricius, 1775)Séguy 1930a **Rif**, Tanger; Leclercq and Schacht 1987, **HA**, Ansegmir-Tal, W Midelt (1400 m); Rozkošný 1987; Vala 1989; Vala and Ghamizi 1991, **HA**, Tamesloht (south of Marrakech), **AA**, Bou Acheiba (Agadir); Carles-Tolrá 1993; Dakki 1997; Kassebeer 1999a*Sepedon spinipes* (Scopoli, 1763)Leclercq and Schacht 1987, **HA**, Ansegmir-Tal, W Midelt (1400 m); Vala and Ghamizi 1991, **MA**, Imouzzar, Tifounassine; Carles-Tolrá 1993; Kassebeer 1999a, **MA**; Knutson and Vala 2011***Trypetoptera* Hendel, 1900***Trypetoptera punctulata* (Scopoli, 1763)Leclercq and Schacht 1987, **HA**; Vala 1989; Kassebeer 1999a; Knutson and Vala 2011

SEPSIDAE

K. Kettani, J.-P. Haenni

Number of species: **12**. Expected: 20

Faunistic knowledge of the family in Morocco: poor

Sepsinae

Saltellini

***Saltella* Robineau-Desvoidy, 1830**

Saltella sphondylii (Schrank, 1803)

Ebejer et al. 2019, **Rif**, Barrage Smir (145 m), Oued Mhajrate (Ben Karrich, 180 m)

Sepsini

***Nemopoda* Robineau-Desvoidy, 1830**

Nemopoda nitidula (Fallén, 1820)

Mouna 1998 (no locality given)

***Sepsis* Fallén, 1810**

Sepsis biflexuosa Strobl, 1893

Zuska and Pont 1984; Mouna 1998; Pont and Meier 2002; Ozerov 2005; **HA** (Asni) – NHMUK

Sepsis cynipsea (Linnaeus, 1758)

Séguy 1930a, **AP**, Rabat, **MA**, **HA**, Marrakech; Séguy 1941a, **HA**, Imi-n'Ouaka (1500 m); Zuska and Pont 1984; Mouna 1998

Sepsis flavimana Meigen, 1826

Ebejer et al. 2019, **AA**, Ziz river (10 km S of Errachidia, 1008 m)

Sepsis fulgens Meigen, 1826

Séguy 1941d, **HA**, Tizi-n'Test (2000 m), **AA**, Agadir; Zuska and Pont 1984; Mouna 1998; Pârvu et al. 2006, **MA**, Ifrane; Popescu-Mirceni 2011, **MA**, Ifrane; **MA** (Ifrane), **HA** (Asni, near Alrene, Mikdane) – NHMUK

Sepsis lateralis Wiedemann, 1830

Séguy 1941a, **HA**, Imi-n'Ouaka (1500 m); Zuska and Pont 1984; Mouna 1998; **AP** (Sale Tropical Garden), **HA** (Marrakech) – NHMUK

Sepsis punctum (Fabricius, 1794)

Séguy 1941a, **HA**, Aït Souka (Toubkal); Zuska and Pont 1984; Mouna 1998; Pont and Meier 2002, **Rif**, Tanger, **AP**, Rabat; Pârvu et al. 2006, **AP**, Merja Zerga – MISR; **MA** (Ifrane), **HA** (Asni, Mikdane), **AA** (Souss Massa, Agadir) – NHMUK

Sepsis thoracica (Robineau-Desvoidy, 1830)

Zuska and Pont 1984; Mouna 1998; Pârvu et al. 2006, **AP**, Merja Zerga; Popescu-Mirceni 2011; **MA** (near Azrou), **HA** (Mikdane, Marrakech, Amizmiz) – NHMUK

Sepsis violacea Meigen, 1826

= *Sepsis ciliforceps* Duda, 1926, in Mouna 1998: 86

Becker and Stein 1913, **Rif**, Tanger; Zuska and Pont 1984; Mouna 1998;

Pârvu et al. 2006, **AP**, Merja Zerga; Popescu-Mirceni 2011 – MISR

Themira Robineau-Desvoidy, 1830

Themira minor (Haliday, 1833)

Zuska and Pont 1984; Mouna 1998 (no locality given); **HA** (Mikdane) – NHMUK

Themira paludosa Elberg, 1963⁴⁷

Pârvu et al. 2006, **AP**, Merja Zerga; Popescu-Mirceni 2011

An additional species, *Australosepsis niveipennis* (Becker, 1903) is reported from Morocco in major catalogues (Pont and Meier 1984, Ozerov 2005). However this report is based upon a misinterpretation by Zuska (1968) of a name of locality given in Duda (1926b: 2): “Marako” [a locality in Mali, or possibly another in Ethiopia] was wrongly understood for “Marokko”, the German name of Morocco. Both Adrian Pont and Andrey Ozerov have confirmed (pers. comm. 27.xi.15) that they have not seen any Moroccan specimen of *A. niveipennis*.

The Moroccan records from NHMUK were checked by Adrian Pont to whom we express our grateful thanks for his kind help.

Opomyzoidea

AGROMYZIDAE

K. Kettani, M. Černý

Number of species: **62**. Expected: 150

Faunistic knowledge of the family in Morocco: poor

Agromyzinae

***Agromyza* Fallén, 1810**

Agromyza abiens Zetterstedt, 1848

Spencer 1967, **HA**, Ourika Valley, Marrakech; Černý and Merz 2006

Agromyza albipennis Meigen, 1830

Séguy 1936b; Mouna 1998

Agromyza ambigua Fallén, 1823

= *Domomyza ambigua* Fallén, in Séguy 1936: 5; Mouna 1998: 84

Séguy 1936b, **AP**, Rabat; Mouna 1998

Agromyza bicaudata (Hendel, 1920)

Černý and Merz 2006, **MA**, Azrou, Ifrane

⁴⁷ *Themira paludosa* is a dubious record since *T. paludosa* seems reliably recorded only from NW Europe (Estonia, Finland, NW Russia).

Agromyza frontella (Rondani, 1875)

Černý and Merz 2006, **MA**, Azrou, Ifrane

Agromyza frontosa (Becker, 1908)

Černý and Merz 2006, **MA**, Azrou, Ifrane

Agromyza hiemalis Becker, 1908

Spencer 1967, **HA**, Marrakech; Černý 2019; Černý et al. 2020

Agromyza intermittens (Becker, 1907)

= *Phytomyza secalina* Hering, 1925, in Maarouf 2003: 42

Maarouf 2003, **HA**, Chaouia

Agromyza luteitarsis (Rondani, 1875)

Maarouf 2003, **HA**, Chaouia

Agromyza megalopsis Hering, 1933

Černý et al. 2020, **AA**, Agadir Id Aissa (western end of gorge and village Am-toudi, 854 m)

Agromyza nana Meigen, 1830

Spencer 1967, 1973, **AP**, Casablanca; Černý and Merz 2006

Agromyza nigrociliata (Hendel, 1931)

Maarouf 2003, **HA**, Chaouia

Agromyza rondensis Strobl, 1900

Černý et al. 2020, **AA**, Agadir Id Aissa (western end of gorge and village Am-toudi, 854 m), River Aoulouz (= Asif Tifnout, 697 m)

Agromyza spenceri Griffiths, 1963

Černý and Merz 2006, **HA**, Asni; Černý 2013

***Melanagromyza* Hendel, 1920**

Melanagromyza lappae (Loew, 1850)

Mouna 1998; **AP** (Rabat) – MISR

Melanagromyza verbasci Spencer, 1957

Spencer 1967, **HA**

***Ophiomyia* Braschnikov, 1897**

Ophiomyia beckeri (Hendel, 1923)

Spencer 1967, **HA**; Černý and Merz 2006; Černý 2009; Černý and Tschirnhaus 2014

Ophiomyia curvipalpis (Zetterstedt, 1848)

= *Ophiomyia proboscidea* (Strobl, 1900), in Mouna 1998: 84

Spencer 1967, **HA**; Mouna 1998; Černý and Merz 2006; Černý and Merz 2007; Černý 2019

Ophiomyia melandryi de Meijere, 1924

Spencer 1967, **HA**; Černý and Merz 2006; Černý and Merz 2007; Černý 2009

Ophiomyia vimmeri Černý, 1994

Černý and Merz 2006, **AP**, Maâmora (Rabat); Černý and Merz 2007; Černý 2018

Phytomyzinae

Amauromyza* Hendel, 1931Amauromyza* (*Amauromyza*) *morionella* (Zetterstedt, 1848)= *Agromyza morionella* Zetterstedt, in Becker and Stein 1913: 95***Aulagromyza* Enderlein, 1936***Aulagromyza atlantidis* (Spencer, 1967)= *Paraphytomyza atlantidis* Spencer, 1967, in Mouna 1998: 84Spencer 1967, **HA**, Asni; Mouna 1998*Aulagromyza cydoniae* (Hendel, 1936)= *Phytagromyza cydoniae* Hendel, 1936, in Hendel 1931–1936: 518Hendel 1931–1936, **AP**, Rabat*Aulagromyza hamata* (Hendel, 1932)***HA**, Asni-Ouirgane***Cerodontha* Rondani, 1861***Cerodontha* (*Cerodontha*) *denticornis* (Panzer, 1806)Spencer 1967, 1973, **HA**; Černý and Merz 2006; Černý 2009*Cerodontha* (*Cerodontha*) *fulvipes* (Meigen, 1830)

Mouna 1998

Cerodontha (*Dizygomyza*) *brisiaca* Nowakowski, 1973Černý and Merz 2006, **MA**, Azrou, Ifrane*Cerodontha* (*Icteromyza*) *capitata* (Zetterstedt, 1848)Černý and Merz 2006, **Rif**, Chefchaouen*Cerodontha* (*Icteromyza*) *rozkosnyi* Černý, 2007Černý 2007, **AA**, SW Tazenakht (1000 m); Černý 2011*Cerodontha* (*Poemyza*) *incisa* (Meigen, 1830)= *Dizygomyza incisa* Meigen, in Séguy 1936b: 5; Mouna 1998: 84Séguy 1936b, **AP**, Rabat; Mouna 1998*Cerodontha* (*Poemyza*) *lateralis* (Macquart, 1835)= *Dizygomyza lateralis* Macquart, in Séguy 1936: 5; Mouna 1998: 84Séguy 1936b, **AP**, Rabat; Mouna 1998; Černý et al. 2020*Cerodontha* (*Poemyza*) *pygmaea* (Meigen, 1830)= *Dizygomyza pygmaea* Meigen, in Séguy 1936: 5; Mouna 1998: 84Séguy 1936b, **AP**, Rabat; Mouna 1998***Chromatomyia* Hardy, 1849***Chromatomyia aprilina* (Goureau, 1851)Griffiths 1974; Spencer 1967, **Rif**, Tanger (mountains)*Chromatomyia horticola* (Goureau, 1851)= *Phytomyza horticola* Goureau, in Griffiths 1967: 14Griffiths 1967, **AP**, Casablanca; Spencer 1973; Černý 2009*Chromatomyia milii* (Kaltenbach, 1864)= *Phytomyza milii* Kaltenbach, in Séguy 1936: 5; Mouna 1998: 84

- Séguy 1936b, **AP**, Rabat; Spencer 1967, **HA**, Ourika Valley; Griffiths 1980; Mouna 1998; Černý and Merz 2006
- Chromatomyia syngenesiae* Hardy, 1849
 = *Phytomyza atricornis* Meigen, in Kozlowsky and Rungs 1932: 66; Mouna 1998: 84
 Kozlowsky and Rungs 1932, **AP**, Rabat, Kénitra, Casablanca; Mouna 1998; **AP** (Rabat) – MISR
- Liriomyza* Mik, 1894**
- Liriomyza bryoniae* (Kaltenbach, 1858)
 Spencer 1967, 1973, **AP**, Casablanca; Ayoub 2002, **AA**, Souss Massa, Agadir; Černý and Merz 2006
- Liriomyza cicerina* (Rondani, 1874)
 Spencer 1973, **HA**; Lahmar and Zeouienne 1992; Mouna 1998
- Liriomyza congesta* (Becker, 1903)
 Černý et al. 2020, **AA**, River bed of Ougni, 0.6 km N Akka N'Ait Sidi and 1.8 km NW Tissint (582 m), River Aoulouz (= Asif Tifnout), bridge of road (697 m), River Oued Draa near hotel, Gardin Oued Tamnougalt (911 m)
- Liriomyza huidobrensis* (Blanchard, 1926)
 Hanafi and Schnitzler 2004, **AA**, Souss Valley
- Liriomyza orbona* (Meigen, 1830)
 = *Agromyza fuscolumbata* Strobl, 1900, in Maarouf 2003: 43
 = *Liriomyza orbonella* Hendel, 1931, in Maarouf 2003: 43
 Maarouf 2003, **HA**, Chaouia
- Liriomyza pedestris* Hendel, 1931
 Spencer 1967, **Rif**, Tanger; Černý and Merz 2006; Černý and Merz 2007; Černý 2019; Černý et al. 2020
- Liriomyza pusilla* (Meigen, 1830)
 = *Agromyza pusilla* Meigen, in Mouna 1998: 84
 Mouna 1998
- Liriomyza sonchi* Hendel, 1931
 Spencer 1967, **AP**, Casablanca
- Liriomyza trifolii* (Burgess in Comstock, 1880)
 Hanafi and Schnitzler 2004, **AA**, Souss Valley
- Napomyza* Westwood, 1840**
- Napomyza cichorii* Spencer, 1966
 Černý and Merz 2006, **MA**, Ifrane; Černý 2009
- Napomyza lateralis* (Fallén, 1823)
 Černý and Merz 2006, **MA**, Ifrane
- Napomyza scrophulariae* Spencer, 1966
 Černý and Merz 2006, **MA**, Ifrane; Černý and Merz 2007; Černý 2012, 2013
- Phytoliriomyza* Hendel, 1931**
- Phytoliriomyza immoderata* Spencer, 1963

- Černý and Merz 2006, **MA**, Azrou, Ifrane; Černý 2009; Černý 2019; Černý et al. 2020
- Phytoliriomyza oasis* (Becker, 1907)
Spencer 1967, **HA**; Černý and Merz 2006
- Phytomyza* Fallén, 1810**
- Phytomyza conyzae* Hendel, 1920
Spencer 1967, **Rif**, Tanger; Černý 2009
- Phytomyza ferulae* Hering, 1927
Spencer 1967, **Rif**, Tanger; Černý 2013; Černý et al. 2020
- Phytomyza gymnostoma* Loew, 1858
Mouna 1998; **AP** (Mechra el kettane) – MISR
- Phytomyza orobanchia* Kaltenbach, 1864
Geipert 1993; Geipert et al. 1994, **Rif**; Klein 1995; Klein et al. 1995; Boumezzough 1996, **MA**, Saiss, Rommani; Boughdad et al. 1997; Klein et al. 1999; Kroschel and Klein 1999; Yazough and Klein 1999; Kroschel and Klein 2003
- Phytomyza phillyreae* Hering in Buhr, 1930
= *Phytomyza unedo* Séguy, 1953, in Séguy 1953b: 72
Séguy 1953b, **AP**, Korifla; Spencer 1967, **HA**, Ourika Valley; Černý and Merz 2006; Černý 2009
- Phytomyza ranunculi* (Schrank, 1803)
Spencer 1967, **HA**; Černý and Merz 2006; Černý 2009, 2013
- Phytomyza wahlgreni* Rydén, 1944
Černý and Merz 2006, **MA**, Azrou, Ifrane; Černý et al. 2020
- Pseudonapomyza* Hendel, 1920**
- Pseudonapomyza atra* (Meigen, 1830)
= *Phytomyza acuticornis* Loew, 1858, in Maarouf 2003: 43
Maarouf 2003, **HA**, Chaouia
- Pseudonapomyza atratula* Zlobin, 2003
Černý et al. 2020, **AA**, 6 km ESE Quijjane, 85 km S Agadir (353 m)
- Pseudonapomyza bifida* Zlobin, 2003
Černý et al. 2020, **AA**, Road no. 109/165 from Akna to Taroudant (841 m)
- Pseudonapomyza spicata* (Malloch, 1914)
Černý et al. 2020, **AA**, River bed of Ougni, 0.6 km N Akka N'Ait Sidi and 1.8 km NW Tissint (582 m)
- Pseudonapomyza spinosa* Spencer, 1973
Maarouf 2003, **HA**, Chaouia

New record for Morocco

- Aulagromyza hamata* (Hendel, 1932)
High Atlas: Asni-Ouirgane, 31°13'52"N, 8°00'8"W, 1282 m a.s.l., 1♂, 24.iv.2014, river valley, V. Vrabec leg., M. Barták coll. and M. Černý det.

ANTHOMYZIDAE

K. Kettani, M.J. Ebejer

Number of species: **2**. Expected: 4

Faunistic knowledge of the family in Morocco: poor

***Amygdalops* Lamb, 1914**

Amygdalops thomasseti Lamb, 1914

Ebejer et al. 2019, **Rif**, Stehat (0 m)

***Anagnota* Becker, 1902**

Anagnota major Roháček & Freidberg, 1993

Roháček 2006, **HA**, Marrakech (1000 m)

ASTEIIDAE

K. Kettani, M.J. Ebejer

Number of species: **5**. Expected: 10

Faunistic knowledge of the family in Morocco: poor

Asteiinae***Asteia* Meigen, 1830**

Asteia amoena Meigen, 1830

Mouna 1998; **AP** (Rabat) – MISR

Asteia ibizana (Enderlein, 1935)

Ebejer et al. 2019, **AP**, Larache (2 m)

Asteia mahunkai Papp, 1979

Ebejer et al. 2019, **AP**, Larache (2 m)

***Phlebosotera* Duda, 1927**

Phlebosotera clypeata Freidberg & Carles-Tolrá, 2010

Freidberg and Carles-Tolrá 2010, **HA**, Jaffar river

Phlebosotera mirabilis Papp, 1972

Ebejer et al. 2019, **AA**, 12 km S of Rissani (737 m)

AULACIGASTRIDAE

K. Kettani, M.J. Ebejer

Number of species: **1**. Expected: 2

Faunistic knowledge of the family in Morocco: poor

***Aulacigaster* Macquart, 1835**

Aulacigaster leucopeza (Meigen, 1830)

Ebejer et al. 2019, **Rif**, Jebel Lakraâ (Talassemiane, 1541 m)

CLUSIIDAE

K. Kettani, M.J. Ebejer

Number of species: **1**. Expected: 3

Faunistic knowledge of the family in Morocco: poor

***Clusiodes* Coquillett, 1904**

Clusiodes verticalis (Collin, 1912)

Ebejer et al. 2019, **Rif**, Amsemlil bog (PNPB, 1067 m)

ODINIIDAE

K. Kettani, M.J. Ebejer

Number of species: **2**. Expected: 3

Faunistic knowledge of the family in Morocco: poor

Odiniinae

***Odinia* Robineau-Desvoidy, 1830**

Odinia boletina (Zetterstedt, 1848)

Séguy 1934a; Mouna 1998; Gaimari and Mathis 2011

Odinia meijerei Collin, 1952

Ebejer et al. 2019, **Rif**, Adrou (PNPB, 556 m)

OPOMYZIDAE

K. Kettani, M.J. Ebejer

Number of species: **5**. Expected: 6

Faunistic knowledge of the family in Morocco: moderate

***Geomyza* Fallén, 1810**

Geomyza apicalis (Meigen, 1830)

Pârvu et al. 2006, **MA**, Ifrane; Popescu-Mirceni 2011, **AP**, Merja Zerga

Geomyza combinata (Linnaeus, 1767)

Mouna 1998; **AP** (Maâmora) – MISR

Geomyza tripunctata (Fallén, 1823)

Maarouf 2003, **HA**, Chaouia

***Opomyza* Fallén, 1820**

Opomyza florum (Fabricius, 1794)

Maarouf 2003, **HA**, Chaouia

Opomyza petrei Mesnil, 1934

Ebejer et al. 2019, **Rif**, Aïn Tissemlal (Azilane, 1255 m)

Carnoidea

CANACIDAE

K. Kettani, L. Munari

Number of species: **15**. Expected: 25

Faunistic knowledge of the family in Morocco: poor

Canacinae

***Canace* Haliday in Curtis, 1837**

Canace actites Mathis, 1982

Ebejer et al. 2019, **AP**, Loukous (2 m)

Canace nasica Haliday, 1839

Dahl 1964, **AA**, Tamri (north of Agadir); Mouna 1998

***Xanthocanace* Hendel, 1914**

Xanthocanace ranula (Loew, 1874)

Munari 2010, **AP**, 40 km S Larache; Munari and Mathis 2010; Munari 2011; Munari and Bramuzzo 2018, **Rif**, Briyech, **AP**, Azemmour, El Khaoucha, Fedala, Oued Nefifikh, Oued Loukous, 40 km S Larache

Tethininae

***Tethina* Haliday in Curtis, 1837**

Tethina alboguttata (Strobl, 1900)

Freidberg and Beschovski 1996, **AP**, Aïn Diab, Essaouira, Safi, **AA**, Agadir, Ouarzazate; Mathis and Munari 1996; Munari 2002, 2004, 2005, 2011; Munari and Mathis 2010; Koçak and Kemal 2010; Munari and Bramuzzo 2018, **Rif**, Briyech, **AP**, Agadir, Tamri, Essaouira, Cap Hadid, Larache, Loukous, Safi, Dar Caïd-Hadji

Tethina albosetulosa (Strobl, 1900)

Cassar et al. 2008, **Rif**, Oued Laou Basin

Tethina flavigenis (Hendel, 1934)

Munari and Bramuzzo 2018, **AP**, Oued Oum-er-Rbia

Tethina grossipes (Becker, 1908)

Munari 2004, **AA**, Agadir; Munari and Mathis 2010; Munari and Bramuzzo 2018, **AP**, Tamri

Tethina incisuralis (Macquart, 1851)

= *Tethina pictipes* (Becker 1903); Séguy 1941d: 18, Mouna 1998: 87

Munari 1997, **AA**, Erfoud, Rissani (900 m); Munari 2002, 2010, 2011; Munari and Mathis 2010; Munari and Bramuzzo 2018, **AA**, Erfoud, Rissani

Tethina longirostris (Loew, 1865)

Cassar et al. 2008, **Rif**, Oued Laou Basin

Tethina mariae Munari, 1997

Munari 1997, **AP**, 40 km S Larache; Munari and Báez 2000; Munari 2002, 2004, 2010, 2011; Munari and Mathis 2010 – NHMD (HT ♂)

Tethina pallipes (Loew, 1865)

= *Tethina ochracea* (Hendel, 1913)

Cassar et al. 2008, **Rif**, Oued Laou

Tethina pictipennis Freidberg & Beschovski, 1996

Freidberg and Beschovski 1996, **AP**, 40 km south of Larache; Mathis and Munari 1996, Munari 2002; Munari 2004; Munari and Mathis 2010; Munari 2011, **AA**, Agadir (Tamri); Munari and Bramuzzo 2018, **Rif**, Briyech, **AP**, Tamri, Larache, Loukous – NHMD (HT ♂)

Tethina strobliana (Mercier, 1923)

Munari and Bramuzzo 2018, **AP**, Oued Abou, Rehouna (Rabat)

Tethina yaromi Freidberg & Beschovski, 1996

Cassar et al. 2005, **Rif**, Smir lagoon

Tethina sp. near *salinicola* Beschovski, 1998

Munari 2004, **AA**, Agadir, Ouarzazate; Munari 2005; Munari and Bramuzzo 2018, **AP**, Tamri

CARNIDAE

K. Kettani, M.J. Ebejer

Number of species: **3**. Expected: >10

Faunistic knowledge of the family in Morocco: poor

Meoneura* Rondani, 1856Meoneura hungarica* Papp, 1977

Ebejer et al. 2019, **Rif**, Adrou (PNPB, 556 m)

Meoneura prima Becker, 1905

Brake 2011

Meoneura triangularis Collin, 1930

Brake 2011

CHLOROPIDAE⁴⁸

K. Kettani, M. von Tschirnhaus, M.J. Ebejer

Number of species: **74**. Expected: 140

Faunistic knowledge of the family in Morocco: moderate

48 Many species (*Chlorops pumilionis*, *Eutropha albipilosa*, *Meromyza athletica*, *Meromyza curvinervis*, *Elachiptera cornuta*, *Oscinisoma cognatum*) are cited only on the basis of the list of Diptera species present in the collections of the MISR (Rabat, Morocco) published by Mouna (1998). The identification of this material could not be verified. However, the presence of most of these species is possible in Morocco.

Chloropinae

Assuania* Becker, 1903Assuania melanoleuca* (Séguy, 1949) **comb. nov.**⁴⁹= *Chlorops melanoleuca* Séguy, in Séguy 1949a: 158Séguy 1949a, **AA**, Agdz; Nartshuk 1984; Mouna 1998*Assuania thalhammeri* (Strobl, 1893)Ebejer and Kettani 2016, **AA**, Oued Ziz (9.5 km SE of Rich, 1285 m)***Camarota* Latreille, 1805***Camarota curvipennis* (Latreille, 1805)= *Camarota curvipennis* (Latreille), in Becker and Stein 1913: 93Becker and Stein 1913, **Rif**, Tanger; Nartshuk 1984; Ebejer and Kettani 2016, **Rif**, Oued Laou***Capnoptera* Loew, 1866***Capnoptera pilosa* Loew, 1866Duda 1933; Ebejer and Kettani 2016, **Rif**, Jebel Lakraâ (Talassemthane, 1288 m), Aïn Jdioui (Tahaddart, 8 m)*Capnoptera scutata* (Rossi, 1790)= *Eristalis rufipes* Fabricius, in Fabricius 1805: 245Ebejer and Kettani 2016, **AP**, Larache (2 m)***Cetema* Hendel, 1907***Cetema maroccanum* Nartshuk, 1995= *Cetema maroccana* Nartshuk, in Nartshuk 1995: 277–280Nartshuk 1995, **HA**, Oukaïmeden; Ebejer and Kettani 2016*Cetema monticulum* Becker, 1910= *Cetema monticula* Becker, in Séguy 1941a: 33= *Cetema monticula* Rossi, in Mouna 1998: 85Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m); Mouna 1998; Ebejer and Kettani 2016***Chlorops* Meigen, 1803***Chlorops interruptus* Meigen, 1830= *Chlorops interrupta* Meigen, in Séguy 1953a: 86Séguy 1953a, **AP**, Oued Yquem (near Rabat); Ebejer and Kettani 2016, **Rif**, Jebel Lakraâ (Talassemthane, 1288 m), Oued Aliane (Ksar Sghir, 1 m), Cap Spatel (155 m)*Chlorops limbatus* Meigen, 1830Ebejer and Kettani 2016, **Rif**, Jebel Moussa (800 m)

⁴⁹ *Assuania melanoleuca* comb. nov.: a female type specimen of *Chlorops melanoleucus* is a species of *Assuania* (Nartshuk, pers. comm.), see also Ebejer and Kettani (2016: 226). It may belong to *A. thalhammeri* with its three synonyms *A. glabra* Becker, 1903, *A. frontata* Becker, 1907, and *A. siciliensis* Duda, 1933 or to one of the further five *Assuania* spp. (Sabrosky 1980: 707) present on the African continent. Dawah and Abdullah (2006: 30) and Deeming and Al-Dhafer (2012: 56, 88) reported an unidentifiable species from the Arabian Peninsula. Until a revision of this genus is made, *A. melanoleuca* must be treated as a valid taxon.

Chlorops pumilionis (Bjerkander, 1778)

= *Chlorops nasuta* Schrank, in Mouna 1998: 85

Mouna 1998; Ebejer and Kettani 2016

Chlorops serenus Loew, 1866

Ebejer and Kettani 2016, **MA**, 17 km NW of Zaida (Khénifra, 1878 m)

***Cryptonevra* Lioy, 1864**

Cryptonevra flavitarsis (Meigen, 1830)

= *Haplegis flavitarsis* (Meigen), in Séguy 1949a: 158; Séguy 1953a: 86; Mouna 1998: 85

Séguy 1949a, **AA**, Agdz; Séguy 1953a, **AP**, Oued Yquem (near Rabat); Nartshuk 1984; Mouna 1998; Ebejer and Kettani 2016

***Eurina* Meigen, 1830**

Eurina lurida Meigen, 1830

Ebejer and Kettani 2016, **Rif**, M'Diq, Smir, Kabila beach and dunes

***Eutropha* Loew, 1866**

Eutropha albipilosa (Becker, 1908)

Duda 1930; Deeming and Al-Dhafer 2012, **AP**, 17 km N of Larache, **AA**, Azemmour, estuary of Oued Tensift; Ebejer and Kettani 2016, **AP**, Larache (5 m)

Eutropha fulvifrons (Haliday, 1833)

Séguy 1941d, **AA**, Agadir; Mouna 1998; Cassar et al. 2005, **Rif**, Smir lagoon; Ebejer and Kettani 2016, **AP**, Larache (5 m)

***Lagaroceras* Becker, 1903**

Lagaroceras andalusiaca (Strobl, 1899)

Ebejer and Kettani 2016, **Rif**, Ksar El Kebir (13 m), Oued Aliane (Ksar Sghir, 1 m), **AP**, Larache (2 m), **AA**, Oued Ziz (9.5 km SE of Rich, 1285 m)

***Lasiosina* Becker, 1910**

Lasiosina herpini (Guérin-Méneville, 1843)

= *Lasiosina cinctipes* Meigen, in Mouna 1998: 85

Ebejer and Kettani 2016, **Rif**, Smir lagoon

Lasiosina lindbergi (Duda, 1933)

= *Steleocerus lindbergi* (Duda), in Duda 1933: 142

Duda 1933, **MA**; Ebejer and Kettani 2016, **AA**, Oued Ziz (9.5 km SE of Rich, 1285 m)

***Meromyza* Meigen, 1830**

Meromyza athletica Fedoseeva, 1974

= *Meromyza variegata* Meigen, in Mouna 1998: 85

Mouna 1998; Ebejer and Kettani 2016

Meromyza curvinervis (Zetterstedt, 1848)

= *Oxinis curvinervis* Latreille, in Mouna 1998: 85

Mouna 1998

Meromyza nigriventris Macquart, 1835

Ebejer and Kettani 2016, **MA**, 17 km SW of Midelt (Khénifra, 1940 m), **AA**, 29 km N of Rich (Errachidia, 1570 m)

Meromyza pratorum Meigen, 1830

Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m); Mouna 1998; Ebejer and Kettani 2016

Metopostigma* Becker, 1903Metopostigma sabulona* Becker, 1910

Ebejer and Kettani 2016, **AA**, Oued Ziz (10 km S of Errachidia, 1008 m), Merzouga (714 m)

Platycephala* Fallén, 1820Platycephala scapularum* (Becker, 1907)

Nartshuk 1984; Pârvu et al. 2006, **AA**, Lac Edehby, Ouarzazate; Popescu-Mirceni 2011; Ebejer and Kettani 2016

Pseudopachychaeta* Strobl, 1902Pseudopachychaeta pachycera* Strobl, 1902

Ebejer and Kettani 2016, **AA**, Oued Ziz (9.5 km SE of Rich, 1285 m), Oued Ziz (1052 m)

Thaumatomyia* Zenker, 1833Thaumatomyia elongatula* (Becker, 1910)

Ebejer and Kettani 2016, **Rif**, Beni Maâdene (Oued Martil, 3 m)

Thaumatomyia glabra (Meigen, 1830)

Ebejer and Kettani 2016, **Rif**, Martil (9 m)

Thaumatomyia notata (Meigen, 1830)

= *Chloropisca notata* (Meigen), in Séguy 1930a: 179, 1941a: 33; Mouna 1998: 85
Séguy 1930a, **Rif**, Tanger; Séguy 1941a, **HA**, Tachdirt (Jebel Toubkal, 2500 m), Canyon Tessaout (M'Goum, 3000–3200 m); Harris et al. 1980: 229, **HA**, Chichaoua; Mouna 1998; Ebejer and Kettani 2016, **Rif**, Oued Laou estuary, Oued Amsa (Amsa, 14 m), Jnane Niche (27 m), Oued Maggou (Maggou, 786 m), Marj Khayl (Beni Leit (PNPB), 1088 m), Oued Boumarioul (Aïn Hamra, 560 m), Aïn Tissemlal (Azilane, 1255 m), Oued Bouhya (Bou Ahmed, 19 m), Souk Khemis Anjra (Oued Kbir, 55 m), Zinat (231 m), Oued Zarka (Yarghite, 135 m), Oued Talembote (Usine électrique, 120 m), Oued Kelâa (Akoumi, 400 m), Issaguen (maison forestière Issaguen, 1543 m), Bni Boufrah (94 m), Oued Guallet (Bni Boufrah, 946 m), Oued Tabandoute (Bni Boufrah, 540 m), Oued Taâouniya (Koudiat Ajira, 1536 m), Talankramte (Site sacré Sidi Gneiss (PNPB): 461 m), **AP**, Larache (5 m)

Thaumatomyia sulcifrons (Becker, 1907)

= *Chlorops sulcifrons* Becker, in Séguy 1949a: 158

= *Chloropisca sulcifrons* Zetterstedt, in Mouna 1998: 85

Séguy 1934a; Séguy 1949a, **AA**, Foum-el-Hassan, Akka, Agdz; Nartshuk 1984; Mouna 1998; Dawah and Abdullah 2006; Ebejer and Kettani 2016

Oscinellinae

Aphanotrigonum* Duda, 1932Aphanotrigonum cinctellum* (Zetterstedt, 1848)

- Ebejer and Kettani 2016, **AP**, Larache (5 m)
Aphanotrigonum femorellum Collin, 1946
 Ebejer and Kettani 2016, **AP**, Larache
Aphanotrigonum inerme Collin, 1946
 Ebejer and Kettani 2016, **Rif**, M'Diq (5 m), **AP**, Larache (Loukous marsh, 2 m)
Aphanotrigonum parahastatum Dely-Draskovits, 1981*
- AA**
- Calamoncosis* Enderlein, 1911**
Calamoncosis duinensis (Strobl, 1909)
 Ebejer and Kettani 2016, **AP**, Rabat (on *Phragmites*) – MISR
- Conioscinella* Duda, 1929**
Conioscinella frontella (Fallén, 1810)
 Ebejer and Kettani 2016, **Rif**, Aïn Tissemlal (Azilane, 1255 m)
Conioscinella sordidella (Zetterstedt, 1848)
 Ebejer and Kettani 2016, **Rif**, Aïn Tissemlal (Azilane, 1255 m)
- Elachiptera* Macquart, 1835**
Elachiptera bimaculata (Loew, 1845)
 De Lépiney and Mimeur 1932: 110, Rabat; Séguy 1934a: 479; Bléton and Fieuzet 1943; Nartshuk 1984; Mouna 1998; Ebejer and Kettani 2016, **Rif**, Beni Maâdene (Oued Martil: 3 m), Jnane Niche (46 m), Oued Mhannech (18 m), Souk Khemis Anjra (55 m), Boujdad (7 m); **AP** (Rabat) – MISR
Elachiptera cornuta (Fallén, 1820)
 Mouna 1998: 85
Elachiptera diastema Collin, 1946
 Ebejer and Kettani 2016, **Rif**, Jebel Lakraâ (Talassemthane, 1541 m), Aïn Tissemlal (Azilane, 1255 m), Oued Maggou (Maggou, 786 m), Oued Tiffert (Tiffert, 1230 m), Issaguen (1543 m), **AP**, Larache (5 m)
Elachiptera graeca Becker, 1910
 Séguy 1941, **HA**, Imi-n'Ouaka (1500 m); Nartshuk 1984; Mouna 1998
Elachiptera megaspis (Loew, 1858)
 Nartshuk 1984; Mouna 1998; Ebejer and Kettani 2016, **Rif**, Dardara (730 m), Aïn Jdioui (Tahaddart, 8 m), Jnane Niche (46 m), Aïn Tissemlal (Azilane, 1255 m), Oued Maggou (Maggou, 786 m); **AP** (Rabat) – MISR
Elachiptera orizae Séguy, 1949*
- AA**
- Elachiptera rufescens* (Walker, 1871)
 Deeming and Al-Dhafer 2012, **AA**, 2 km N Erfoud (818 m); Ebejer and Kettani 2016, **AA**, 2 km N Erfoud (818 m)
Elachiptera rufifrons Duda, 1932
 Ebejer and Kettani 2016, **AP**, 9 km SE Aïn Chouk (6 m), Larache (5 m)
Elachiptera sarda Nartshuk, 2009
 Ebejer and Kettani 2016, **AA**, 14 km E of Rich (Errachidia, 1278 m)
Elachiptera scrobiculata (Strobl, 1901)
 = *Elachiptera trapezina* (Corti, 1909), in Bléton and Fieuzet 1943: 116

Bléton and Fieuzet 1943; Ebejer and Kettani 2016

Elachiptera strobli (Corti, 1909)

Ebejer and Kettani 2016, **Rif**, Oued Boumarioul (Aïn Hamra, 560 m), Oued Aliane (Ksar Sghir, 1 m); Cap Spartel (155 m), Oued Sidi Ben Saâda (Laghdir, 242 m)

***Epimadiza* Becker, 1910**

Epimadiza nigrescens Duda, 1933⁵⁰

= *Oscinosoma anthracias* Séguy, in Séguy 1949a: 158, Mouna 1998: 85

= *Oxinosoma anthracias* Séguy, in Mouna 1998: 85

= "*Siphonella oscinina* (Fallén)", in Nartshuk 1984: 236

Séguy 1949a, **AA**, Alnif; Sabrosky 1965: 406; Nartshuk 1984; Mouna 1998; Ebejer and Kettani 2016

***Hapleginella* Duda, 1933**

Hapleginella laevifrons (Loew, 1858)

El Hassani et al. 1986: 8–11, **Rif**, Nord Occidental, **MA**

***Lasiochaeta* Corti, 1909**

Lasiochaeta pubescens (Thalhammer, 1898)

= *Elachiptera pubescens* (Thalhammer), var. *rufithorax* Duda, 1932 in Duda 1932: 31

= *Melanochaeta pubescens* Thalh., in De Lépiney and Mimeur 1932: 110

= *Melanochaeta pubescens* (Thalhammer), in Mouna 1998: 85

De Lépiney and Mimeur 1932, **AP**, Rabat; Duda 1932: 31, **HA**; Nartshuk 1984; Mouna 1998; Ebejer and Kettani 2016, **Rif**, Oued Sidi Yahia Aarab (Sidi Yahia Aarab, 178 m), Beni Maâdene (Oued Martil, 3 m), Oued Mhannech (Tamuda, 18 m), Oued Amsa (Amsa, 14 m), Zinat (231 m), Oued Maggou (Maggou, 786 m), Oued Guallet (Bni Boufrah, 946 m); **AP** (Rabat) – MISR

***Oscinella* Becker, 1909**

Oscinella cariciphila Collin, 1946

Ebejer and Kettani 2016, **Rif**, Beni Maâdene (Oued Martil, 3 m), **AA**, Merzouga (714 m)

Oscinella frit (Linnaeus, 1758)

= *Oxinosoma frit* Linnaeus, in Mouna 1998: 85

⁵⁰ *Epimadiza nigrescens*: Nartshuk (1984: 236) erroneously sank *Oscinosoma* [sic! misspelling of Séguy] *anthracias* Séguy, 1949 as a junior synonym of *Siphonella oscinina* (Fallén, 1820), although this synonymy had not been proposed previously. This error was clarified by Ebejer and Kettani (2016: 227) after correspondence with Nartshuk, but the puzzle increased as the latter authors introduced *O. anthracias* as a new junior synonym of *Polyodaspis ruficornis* after personal correspondence of MJE with E.P. Nartshuk who had examined the type of *O. anthracias* in the year 2001. Both had overlooked the hidden synonymisation of *Oscinisoma anthracias* with *Epimadiza nigrescens* by Sabrosky (1965: 406), cited by Sabrosky (1980: 699) and by Dawah and Abdullah (2006: 26). Séguy did not mention in his description if he had only one male or more. Sabrosky may have studied a male other than the one studied by Nartshuk. The type(s) of *O. anthracias* should be examined again. If there is more than one specimen this might explain why two different senior taxa resulted. Here we follow the oldest examination of a type specimen by Sabrosky.

De Lépiney and Mimeur 1932: 109, **AP**, Rabat; Mouna 1998; Ebejer and Kettani 2016, **Rif**, Issaguen (1543 m), Aïn Tissemlal (Azilane, 1255 m), Oued Maggou (Maggou, 786 m), Oued Guallet (Bni Boufrah, 946 m), Oued Ametrasse (Ametrasse, 841 m), **AP**, Lower Loukous saltmarsh (2 m), **MA**, Khénifra (17 km SW of Midelt, 1940 m), Lac Aguelmane Afennourir (30 km SW of Azrou, 1490 m); **AP** (Rabat) – MISR

Oscinella nartshukiana Beschovski, 1978

Ebejer and Kettani 2016, **Rif**, Ksar El Kebir (13 m), **AP**, Larache

Oscinella nitidigenis (Becker, 1908)

Ebejer and Kettani 2016, **AA**, 6 km N of Errachidia (1010 m), Oued Ziz (1052 m)

Oscinella nitidissima (Meigen, 1838)

Ebejer and Kettani 2016, **Rif**, Dardara (730 m), Moulay Abdelsalam (965 m), Cap Spartel (155 m), Oued Laou (dunes, 2 m), **AP**, Larache (5 m), **MA**, Lac Aguelmane Afennourir (30 km SW of Azrou, 1490 m)

Oscinella pusilla (Meigen, 1830)

Ebejer and Kettani 2016, **AA**, Lac Tiffert (4 km W of Merzouga, 702 m)

Oscinella ventricosi Nartshuk, 1955

Ebejer and Kettani 2016, **Rif**, Oued Boumarioul (Aïn Hamra, 560 m), **AP**, Larache (5 m)

Oscinella vindicata (Meigen, 1830)

Ebejer and Kettani 2016, **AP**, Larache (5 m), **AA**, Merzouga (agriculture under date palms, 714 m)

***Oscinimorpha* Lioy, 1864**

Oscinimorpha arcuata (Duda, 1932)

Ebejer and Kettani 2016, **Rif**, Oued Guallet (Bni Boufrah, 946 m), Oued Jnane Azaghar (Bni Boufrah, 997 m)

Oscinimorpha longirostris (Loew, 1858)

Ebejer and Kettani 2016, **Rif**, Ksar El Kebir (13 m)

Oscinimorpha minutissima (Strobl, 1900)

= *Siphonella minutissima* Strobl, in Becker and Stein 1913: 93

Becker and Stein 1913, **Rif**, Tanger; Nartshuk 1984; Ebejer and Kettani 2016, **Rif**, Dardara (484 m)

Oscinimorpha novakii (Strobl, 1893)

= *Conioscinella novakii* (Strobl), in Duda 1933: 58

Duda 1933; Ebejer and Kettani 2016

***Oscinisoma* Lioy, 1864**

Oscinisoma cognatum (Meigen, 1830)

= *Oscinis rufipes* Meigen, 1830, with homonym *Oscinis rufipes* Wiedemann 1830: 580, in Wiedemann 1830: 580, Tanger; synonymy and probable specific identity of homonyms established by Becker 1910: 166, but without considering the similar *Oscinisoma gilvipes* (Loew, 1858).

Polyodaspis* Duda, 1933⁵¹Polyodaspis sulcicollis* (Meigen, 1838)= *Siphonella sulcicollis* (Meigen), in Kroschel and Klein 1999: 138Kroschel and Klein 1999; Ebejer and Kettani 2016, **MA**, Khénifra (17 km SW of Midelt, 1940 m)***Pselaphia* Becker, 1911***Pselaphia dimidiocera* Ebejer & Kettani, 2016Ebejer and Kettani 2016, **Rif**, Adrou (Taghzout, 556 m) – NMWC***Rhodesiella* Adams, 1905***Rhodesiella fedtshenkoi* Nartshuk, 1978Deeming and Al-Dhafer 2012, **SA**, Goulimine (Bou Jarif); Ebejer and Kettani 2016, **Rif**, Smir lagoon, Oued Laou (saltmarsh), Jnane Niche (46 m)***Sabroskyina* Beschovski, 1987***Sabroskyina aharonii* (Duda, 1933)Ebejer and Kettani 2016, **AA**, 2 km N Erfoud (818 m)***Siphunculina* Rondani, 1856***Siphunculina ornatifrons* (Loew, 1858)= *Microneurum ornatifrons* (Loew), in Duda 1933: 98Becker and Stein 1913, **Rif**, Tanger; Duda 1933; Nartshuk 1984; Ebejer and Kettani 2016, **Rif**, Martil (9 m), Oued Mhannech (Tamuda, 18 m), Jnane Niche (27 m), **AP**, Aïn Chouk 9 km SE (6 m), Larache (5 m)***Trachysiphonella* Enderlein, 1936***Trachysiphonella ruficeps* (Macquart, 1835)Ebejer and Kettani 2016, **AA**, 29 km N of Rich (Errachidia, 1570 m)***Tricimba* Lioy, 1864***Tricimba cincta* (Meigen, 1830)Ebejer and Kettani 2016, **Rif**, Dardara (484 m)*Tricimba heratica* Dely-Draskovits, 1983***AA***Tricimba humeralis* (Loew, 1858)= *Tricimba punctifrons* Becker, in Becker and Stein 1913: 93= *Tricimba humeralis* (Loew), in Séguy 1941d: 18, 1957: 273; Mouna 1998: 85Becker and Stein 1913, **Rif**, Tanger; Séguy 1941d, **AA**, Agadir; Séguy 1957, **AA**, Agadir; Nartshuk 1984; Mouna 1998; Ebejer and Kettani 2016, **Rif**, Oued Mhannech (Tamuda, 18 m), Aïn Tissemlal (Azilane, 1255 m), Oued Bouhya (Bou Ahmed, 19 m), **AA**, Oued Ziz (9.5 km SE of Rich, 1285 m), Oued Ziz (13 km N of Erfoud, 800 m)

⁵¹ *Polyodaspis ruficornis* (Macquart), a widely distributed species, was reported by Ebejer and Kettani (2016) only on the basis of the literature, but as explained in footnote 38 it must be deleted from the list of Moroccan Diptera as the cited records are based on an earlier misidentification.

Siphonellopsinae

Apotropina* Hendel, 1907Apotropina longepilosa* (Strobl, 1893)Ebejer and Kettani 2016, **Rif**, Oued Sidi Ben Saâda (Laghdar, 242 m), Oued Kbir (Dardara, 345 m), Oued Siflaou (281 m), Jnane Niche (46 m)***Siphonellopsis* Strobl, 1906***Siphonellopsis lacteibasis* Strobl, 1906

Séguy 1934a: 482; Nartshuk 1984; Mouna 1998

New records for Morocco*Aphanotrigonum parahastatum* Dely-Draskovits, 1981

Anti Atlas: Ougui river, 1.8 km NW Tissint, 29°55'03"N, 7°19'56"W, 582 m, 30.xii.2016, 3♂♂3♀♀, M. von Tschirnhaus det. – ZSM (M. von Tschirnhaus leg.).

Elachiptera orizae Séguy, 1949

Anti Atlas: river Aoulouz up stream of Idrigane, 30°44'11"N, 7°59'13"W, 866 m, 31.xii.2016, 1♂, M. von Tschirnhaus det. – ZSM (M. von Tschirnhaus leg.).

Tricimba heratica Dely-Draskovits, 1983

Anti Atlas: Oued Souss, streamup of Idrigane, 30°44'11"N, 7°59'13"W, 866 m, 31.xii.2016, 1♀ (males are needed to confirm the identification), M. von Tschirnhaus det. – ZSM (M. von Tschirnhaus leg.).

MILICHIIDAE

K. Kettani

Number of species: **8**. Expected: 14

Faunistic knowledge of the family in Morocco: moderate

Madizinae

Madizini

Desmometopa* Loew, 1866Desmometopa m-nigrum* (Zetterstedt, 1848)Séguy 1949a, **SA**, Guelmim; Mouna 1998; **Rif** (M'Diq), **AP** (Larache), **HA** (Tazzarin) – MISR*Desmometopa varipalpis* Malloch, 1927Ebejer et al. 2019, **AA**, 6 km N of Errachidia (1010 m)***Leptometopa* Becker, 1903***Leptometopa rufifrons* Becker, 1903Ebejer et al. 2019, **AA**, Merzouga (714 m); **AA** (Merzouga) – MISR

Madiza* Fallén, 1810Madiza glabra* Fallén, 1820Mouna 1998; Ebejer et al. 2019, **HA**, Anafgou (NPHAO, 2271 m)

Milichiinae

Milichiini

Milichia* Meigen, 1830Milichia albomaculata* (Strobl, 1900)Pont and Singh 1965; Mouna 1998; Brake 2000; Koçak and Kemal 2010;
HA – NHMUK*Milichia speciosa* Meigen, 1830Séguy 1930a, **HA**, Arround (Skoutana)***Milichiella* Giglio-Tos, 1895***Milichiella lacteipennis* (Loew, 1866)Brake 2000; Raspi et al. 2009; **Rif** (M'Diq farm) – MISR

Phyllomyzinae

Phyllomyzini

Phyllomyza* Fallén, 1810Phyllomyza* sp. aff. *equitans* (Hendel, 1919)Ebejer et al. 2019, **AA**, Oued Ziz (12 km S of Rissani, 737 m)**Acknowledgement**

We gratefully acknowledge the cooperation of Martin J. Ebejer who contributed to the revision of this family.

Sphaeroceroidea**CHYROMYIDAE**

K. Kettani, M.J. Ebejer

Number of species: **22**. Expected: 30

Faunistic knowledge of the family in Morocco: good

Aphaniosominae

Aphaniosoma* Becker, 1903Aphaniosoma approximatum* Becker, 1903Ebejer 2018, **SA**, Oued Ougni (0.6 km N of Akka, N'Aït Sidi and 1.8 km NW
Tissint, 582 m)

- Aphaniosoma claridgei* Ebejer, 1995
Ebejer 2016b, **Rif**, Smir lagoon
- Aphaniosoma collini* Lyneborg, 1973
Ebejer 2016b, **AP**, Larache (5 m)
- Aphaniosoma forcipatum* Ebejer, 1998
Ebejer 2016b, **AA**, Lac de Tiffert (4 km W of Merzouga, 702 m), Erfoud (30 km N, 894 m), Ziz river (14 km E of Rich, 1278 m)
- Aphaniosoma gatti* Ebejer, 2016
Ebejer 2016b, **AP**, El Jadida, Azemmour; **AP** (El Jadida Azemmour) – MISR
- Aphaniosoma melitense* Ebejer, 1993
Andrade and Almeida 2010, **Rif**, Mediterranean coast; Ebejer 2016b, **AP**, Larache (2 m)
- Aphaniosoma nigricauda* Ebejer, 1998
Ebejer 2016b, **AA**, Lac de Tiffert (4 km W of Merzouga, 702 m), Merzouga (714 m), Ziz river (10 km S of Errachidia, 1008 m; 13 km N of Erfoud, 800 m)
- Aphaniosoma nigripes* Ebejer, 2016
Ebejer 2016b, **AA**, Ziz river (9.5 km SE of Rich, 1285 m), Erfoud (30 km N, 894 m; **AA** (Ziz river) – MISR
- Aphaniosoma nigrum* Ebejer, 1998
Ebejer 2016b, **AA**, Ziz river (Errachidia, 1052 m; 9.5 km SE of Rich, 1285 m), Erfoud (30 km N, 894 m); **AA** (Ziz river) – MISR
- Aphaniosoma nitidum* Ebejer, 2016
Ebejer 2016b, **AA**, Ziz river (30 km N of Erfoud, 894 m)
- Aphaniosoma propinquans* Collin, 1949
Ebejer 2016b, **Rif**, Smir lagoon, Oued Aliane (Ksar Sghir), **AP**, Larache (2 m); **Rif** (Oued Aliane) – MISR
- Aphaniosoma proximum* Ebejer, 1998
Ebejer 2016b, **AP**, Larache (5 m), Sidi Smail (El Jadida), Azemmour, **HA**, Oued Tensift
- Aphaniosoma quadrinotatum* (Becker, 1904)
Ebejer 2018, **AA**, S of village Sidi R'bat (10 m)
- Aphaniosoma rufum* Frey, 1935
Ebejer 2018, **AA**, S of village Sidi R'bat (10 m)
- Aphaniosoma soror* Ebejer, 2016
Ebejer 2016b, **AA**, Errachidia (14 km E of Rich, 1278 m)
- Aphaniosoma trisetum* Ebejer, 2016
Ebejer 2016b, **AA**, Ziz river (9.5 km SE of Rich, 1285 m, 13 km N of Erfoud, 800 m, Errachidia, 1052 m), Merzouga (714 m); **AA** (Ziz river) – MISR
- Aphaniosoma zizense* Ebejer, 2016
Ebejer 2016b, **AA**, Ziz river (Errachidia, 1052 m; 9.5 km SE of Rich, 1285 m; 10 km S of Errachidia, 1008 m); **AA** (Ziz river) – MISR

Chyromyinae

Chyromya* Robineau-Desvoidy, 1830Chyromya robusta* Hendel, 1931Ebejer 2018, **AA**, S of village Sidi R'bat (10 m)***Gymnochiromyia* Hendel, 1933***Gymnochiromyia flavella* (Zetterstedt, 1848)Ebejer 2016b, **Rif**, Ksar El Kebir (13 m)*Gymnochiromyia homobifida* Carles-Tolrá, 2001Ebejer 2016b, **Rif**, maison forestière de Talassemrane (NPT)*Gymnochiromyia inermis* (Collin, 1933)

Ebejer 1998b; Ebejer 2016b

Gymnochiromyia mihalyii Soós, 1979Ebejer 2016b, **Rif**, Oued Siflaou (281 m), Aïn Tissemlal (Azilane, 1255 m),
AP, Larache (5 m)*Gymnochiromyia tschirnhausi* Ebejer, 2018Ebejer 2018, **AA**, S of village Sidi R'bat (10 m)*Gymnochiromyia zernyi* (Czerny, 1929)

Ebejer 1998b; Ebejer 2016b

HELEOMYZIDAE

K. Kettani, A.J. Woźnica

Number of species: **19**. Expected: 30

Faunistic knowledge of the family in Morocco: moderate

Heleomyzinae

Gymnomus* Loew, 1863Gymnomus atlasicus* Woźnica, 2011Woźnica 2011, **HA**, Tazzeka*Gymnomus caesius* (Meigen, 1830)Ebejer et al. 2019, **Rif**, Jebel Lakraâ (Talassemrane, 1541 m)***Neoleria* Malloch, 1919***Neoleria* sp.***Rif**

Heteromyzinae

Tephrochlamys* Loew, 1862Tephrochlamys rufiventris* (Meigen, 1830)***AA**

Suilliinae

Suillia* Robineau-Desvoidy, 1830Suillia bicolor* (Zetterstedt, 1838)***Rif***Suillia bistrigata* (Meigen, 1830)Ebejer et al. 2019, **Rif**, Moulay Abdelsalam (Bouhachem, 1098 m), Jebel Lakraâ (Talassemthane, 1541 m), **MA**, 6 km S of Azrou (1610 m), 20 km S of Azrou (1720 m)*Suillia humilis* (Meigen, 1830)= *Helomyza similis* Meigen, in Mouna 1998: 85
Mouna 1998; **AP** (Maâmora) – MISR*Suillia notata* (Meigen, 1830)Ebejer et al. 2019, **Rif**, Moulay Abdelsalam (Bouhachem, 1180 m), Jebel Lakraâ (Talassemthane, 1541 m), Oued Kbir (Béni Ratene, 157 m)*Suillia oxyphora* (Mik, 1900)***Rif***Suillia pallida* (Fallén, 1820)Séguy 1941d, **HA**, Tizi-n'Test (2200 m); Mouna 1998*Suillia tuberiperda* (Rondani, 1876)Ebejer et al. 2019, **MA**, 6 km S of Azrou (1610 m)*Suillia variegata* (Loew, 1862)= *Helomyza variegata* Loew, in Becker and Stein 1913: 93
Becker and Stein 1913, **Rif**, Tanger; Séguy 1953a, **AP**, Sidi Yahia du Gharb; Mouna 1998

Trixoscelidinae

Trixoscelis* Rondani, 1856Trixoscelis approximata* (Loew, 1865)Cassar et al. 2008, **Rif**, Smir lagoon; **Rif**, Tétouan*Trixoscelis baliogastra* (Černý, 1909)

Hackman 1970

Trixoscelis canescens (Loew, 1865)Ebejer et al. 2019, **Rif**, Aïn Tissemlal (Azilane, 1255 m)*Trixoscelis curvata* Carles-Tolrá, 1993Ebejer et al. 2019, **AP**, Larache (5 m)*Trixoscelis laeta* (Becker, 1907)Becker 1907; Séguy 1941d, **AA**, Agadir; Hackman 1970; Mouna 1998; Cassar et al. 2008, **Rif**, Smir lagoon*Trixoscelis mendizabali* Hackman, 1970Hackman 1970, **AA**, Aït Melloul (Oued Souss)

Trixoscelis pedestris (Loew, 1865)

Ebejer et al. 2019, **Rif**, Aïn Jdioui (Tahaddart, 76 m)

New records for Morocco

Neoleria sp.

Rif: Tétouan, Jebel Bouhachem (PNPB), Amsemlil, 35.26234°N, 5.43341°W, 1067 m, 11.xii.15, forest (*Pinus pinaster*), K. Kettani leg. (1♀), A.J. Woźnica det.

Tephrochlamys rufiventris (Meigen, 1830)

Rif: Tétouan, Jebel Bouhachem (PNPB), Remla, 35.236865, -5.408025, 961 m, 22.iv.18, forest (*Pinus pinaster*), K. Kettani leg. (1♀), A.J. Woźnica det.
Anti Atlas: Errachidia, 13 km E of Goulmima, 31°44.568N, 4°51.945W, dry stony steppe 1100 m, 3.v.2012, M.J. Ebejer leg. (1♂), A.J. Woźnica det.

Suillia bicolor (Zetterstedt, 1838)

Rif: Talassemtane, Jebel Lakraâ, 35°06.913N, 5°08.034W, 1541 m, 12.vi.2013, meadow in mixed forest, M.J. Ebejer leg. (1♀); Jebel Bouhachem, Taghzout, Adrou, 556 m, 35°22.39N, 5°32.28W, 25.iv.2015, M.J. Ebejer leg. (2♀♀), A.J. Woźnica det.

Suillia oxyphora (Mik, 1900)

Rif: Jebel Talassemtane, 35°07'N, 5°07'W, 1554 m, 13.iv.2009, Fir forest (*Abies maroccana*), A. Taheri leg. (1♂3♀♀); Azilane, Aïn Tissemlal, 35°11.67N, 5°15.20W, 1255 m, 4.vii.13–13.viii.2013, K. Kettani leg. (1♀), Fir forest (*Abies maroccana*), A.J. Woźnica det.

SPHAEROCERIDAE

K. Kettani, P. Gatt

Number of species: **67**. Expected: 130

Faunistic knowledge of the family in Morocco: poor

Copromyzinae

***Borborillus* Duda, 1923**

Borborillus vitripennis (Meigen, 1830)

Becker and Stein 1913, **Rif**, Tanger; Gatt 2006, **Rif**, Tétouan, Oued Laou; Marshall et al. 2011

***Copromyza* Fallén, 1810**

Copromyza equina Fallén, 1820

Gatt 2006, **Rif**, Tétouan, Oued Laou; Marshall et al. 2011

***Crumomyia* Macquart, 1835**

Crumomyia glabrifrons (Meigen, 1830)

Gatt et al. 2016, **Rif**, Tariouma (El Anasser, 1383 m), **MA**, Lac Aguelmane Sidi Ali (2050 m)

Lotophila* Lioy, 1864Lotophila atra* (Meigen, 1830)Gatt 2006, **Rif**, Tanger; Marshall et al. 2011***Norrbomia* Papp, 1988***Norrbomia hispanica* (Duda, 1923)Gatt 2006, **Rif**, Tétouan, Oued Laou; Marshall et al. 2011*Norrbomia marginatis* (Adams, 1905)Gatt 2006, **Rif**, Tétouan, Oued Laou; Marshall et al. 2011*Norrbomia nilotica* (Becker, 1903)

Roháček et al. 2001; Marshall et al. 2011

Norrbomia niveipennis (Duda, 1923)

Roháček et al. 2001; Marshall et al. 2011

Norrbomia somogyii (Papp, 1973)

Roháček et al. 2001; Marshall et al. 2011

Norrbomia sordida (Zetterstedt, 1847)Gatt et al. 2016, **Rif**, Oued Guallet (Bni Boufrah, 946 m), **AP**, Larache, Loukous Marsh

Limosininae

Bifronsina* Roháček, 1983Bifronsina bifrons* (Stenhammar, 1855)

Roháček et al. 2001; Marshall et al. 2011

Ceroptera* Macquart, 1835Ceroptera rufitarsis* (Meigen, 1830)= *Limosina picta* Becker, in Becker and Stein 1913: 94Becker and Stein 1913, **Rif**, Tanger; Papp 1984a; Roháček et al. 2001, **Rif**, Tanger***Chaetopodella* Duda, 1920***Chaetopodella scutellaris* (Haliday, 1836)= *Leptocera scutellaris* (Haliday), in Séguy 1941a: 32Séguy 1941a, **HA**, Imi-n'Ouaka (1500 m)***Coproica* Rondani, 1861***Coproica digitata* (Duda, 1918)Gatt 2006, **Rif**, Tétouan, Oued Laou; Marshall et al. 2011*Coproica ferruginata* (Stenhammar, 1855)Gatt 2006, **Rif**, Tétouan, Martil; Marshall et al. 2011*Coproica hirticula* Collin, 1956Gatt et al. 2016, **Rif**, Dardara (730 m), Oued Laou (30 m), Zarka waterfall (Yarghit, 135 m), Oued Ouara (Beni Zid, 440 m), Oued Jnane Azaghar (Bni Boufrah, 997 m), Oued Mhannech (125 m), Adrou (Taghzout, 556 m), Oued Jnane Niche (Jnane Niche, 27 m)*Coproica hirtula* (Rondani, 1880)Gatt et al. 2016, **Rif**, Zarka waterfall (Yarghit, 135 m), **AA**, 14 km N Errachidia (Errachidia, 1214 m)

Coproica lugubris (Haliday, 1836)

Gatt 2006, **Rif**, Tétouan, M'Diq, Smir, Oued Laou; Marshall et al. 2011

Coproica pusio (Zetterstedt, 1847)

Gatt et al. 2016, **Rif**, Tamrabete (Oued Laou, 203 m), Smir lagoon (5 m)

Coproica rohaceki Carles-Tolrá, 1990

Gatt et al. 2016, **Rif**, Oued Amsa (Amsa, 14 m), Oued Moulay Bouchta (Dar Akobaâ, 285 m)

Coproica rufifrons Hayashi, 1991

Gatt et al. 2016, **Rif**, Issaguen (1543 m)

Coproica vagans (Haliday, 1833)

Gatt et al. 2016, **AA**, 14 km N Errachidia (1214 m), **AA**, Oued Ziz (13 km N Erfoud, 800 m), **SA**, Merzouga (698 m)

Eulimosina ochripes (Meigen, 1830)

Gatt et al. 2016, **Rif**, Issaguen (1543 m), Ksar el Kebir (20 m), **MA**, Lac Aguelamane Afenourrir (30 km SW Azrou, 1760 m)

Leptocera* Olivier, 1813Leptocera caenosa* (Rondani, 1880)

Gatt et al. 2016, **Rif**, Dardara (484 m)

Leptocera fontinalis (Fallén, 1826)

Gatt 2006, **Rif**, Tétouan, M'Diq, Smir; Marshall et al. 2011

Leptocera nigra Olivier, 1813

Munari 1993, **MA**, Azrou; Roháček et al. 2001; Marshall et al. 2011

Limosina* Macquart, 1835Limosina silvatica* (Meigen, 1830)

Gatt et al. 2016, **Rif**, Issaguen (1543 m), Talassemrane (NPT, 1696 m), **MA**, 3,5 km S Azrou (1450 m), 17 km NW Zaida (Khénifra, 1878 m)

Minilimosina* Roháček, 1983Minilimosina (Svarciella) vitripennis* (Zetterstedt, 1847)

Gatt et al. 2016, **MA**, 3,5 km S Azrou (1450 m)

Opacifrons* Duda, 1918Opacifrons coxata* (Stenhammar, 1855)

Gatt 2006, **Rif**, Tétouan, M'Diq, Smir, Oued Laou; Marshall et al. 2011

Opacifrons maculifrons (Becker, 1907)

Gatt 2006, **Rif**, Tétouan, Oued Laou; Marshall et al. 2011

Opalimosina* Roháček, 1983Opalimosina (Opalimosina) mirabilis* (Collin, 1902)

Gatt 2006, **Rif**, Tétouan, Oued Laou; Marshall et al. 2011

Paralimosina* Papp, 1973Paralimosina fucata* (Rondani, 1880)

Gatt et al. 2016, **Rif**, 5 km W Dardara (730 m), Dardara (484 m), Oued Azla (Mokdassen Oulya, 186 m), Oued Talembote (Talembote, 320 m), Oued El Khizana (El Khizana, 980 m), Jebel Kelaâ (Talamsemtane, 1554 m), Adrou (Taghzout, 556 m)

Phthitia* Enderlein, 1938Phthitia* (*Kimosina*) *sicana* (Munari, 1988)Gatt 2006, **Rif**, Tétouan, Oued Laou; Marshall et al. 2011*Phthitia* (*Kimosina*) *ciliata* (Duda, 1918)Gatt et al. 2016, **SA**, Bou Jarif (Goulimine)*Phthitia* (*Kimosina*) *plumosula* (Rondani, 1880)Gatt et al. 2016, **Rif**, Jebel Lakraâ (Talassemthane, 1541 m), Jebel Kelaâ (Talassemthane, 1554 m), Zaouiet and Habtiyène (Maggou, 1213 m), Oued Arozane (Bni Moussa, 317 m), Issaguen (1543 m), Zarka waterfall (Yarghit, 135 m), Taghramt (Bine El Ouidane, 276 m)*Phthitia* (*Kimosina*) *pteremoides* (Papp, 1973)Gatt et al. 2016, **SA**, Bou Jarif (Goulimine)***Poecilosomella* Duda, 1925***Poecilosomella angulata* (Thomson, 1869)Gatt 2006, **Rif**, Tétouan, Martil; Marshall et al. 2011***Pseudocollinella* Duda, 1924***Pseudocollinella jorlii* (Carles-Tolrá, 1990)Munari 1993, **MA**, Aguelmane; Roháček et al. 2001; Marshall et al. 2011***Pullimosina* Roháček, 1983***Pullimosina* (*Pullimosina*) *heteroneura* (Haliday, 1836)Gatt 2006, **Rif**, Tétouan, Oued Laou; Marshall et al. 2011*Pullimosina* (*Pullimosina*) *zayensis* Marshall, 1986

Roháček et al. 2001; Marshall et al. 2011

Puncticorpus* Duda, 1918Puncticorpus lusitanicum* (Richards, 1963)

Papp 1984a; Roháček et al. 2001

Rachispoda* Lioy, 1864Rachispoda acrosticalis* (Becker, 1903)Gatt 2006, **Rif**, Tétouan, M'Diq, Smir; Marshall et al. 2011*Rachispoda brevior* (Roháček, 1991)Roháček 1991, **AP**, Oued Bou-Regreg; Munari 1993; Roháček et al. 2001; Marshall et al. 2011*Rachispoda duodecimseta* (Papp, 1973)Roháček 1991, **EM**, Guercif-Oued Moulouya; Munari 1993; Roháček et al. 2001; Marshall et al. 2011*Rachispoda fuscipennis* (Haliday, 1833)Roháček 1991, **EM**, Oued Bou-Regreg; Munari 1993; Roháček et al. 2001; Marshall et al. 2011*Rachispoda gel* (Papp, 1978)Gatt 2006, **Rif**, Tétouan, M'Diq, Smir; Marshall et al. 2011*Rachispoda kabuli* (Papp, 1978)Roháček 1991, **MA**, Taza, Oued Fès; Munari 1993; Roháček et al. 2001; Marshall et al. 2011

Rachispoda lagura (Roháček, 1991)

Gatt et al. 2016, **Rif**, Ksar el Kebir (20 m), **AA**, Oued Ziz (12 km S Rissani, 737 m), Oued Ziz (13 km N Erfoud, 800 m), Oued Ziz (30 km N Erfoud, 894 m)

Rachispoda lutosoidea (Duda, 1938)

Roháček 1991, **MA**, Azrou, Aguelmane, Oued Sebou; Munari 1993; Roháček et al. 2001; Marshall et al. 2011

Rachispoda modesta (Duda, 1924)

Gatt 2006, **Rif**, Tétouan, M'Diq, Smir; Marshall et al. 2011

Rachispoda uniseta (Roháček, 1991)

Roháček 1991, **MA**, Taza, Oued Fès; Munari 1993; Roháček et al. 2001; Marshall et al. 2011; Vaňhara and Rozkošný 1997

Rachispoda varicornis (Strobl, 1900)

Roháček 1991, **AP**, Oued Bou-Regreg, **MA**, Azrou; Munari 1993, **MA**, Oued Sebou; Roháček et al. 2001; Marshall et al. 2011

Spelobia* Spuler, 1924Spelobia baezi* (Papp, 1977)

Roháček et al. 2001; Marshall et al. 2011

Spelobia clunipes (Meigen, 1830)

Gatt et al. 2016, **Rif**, 5 km W Dardara (730 m), Martil (beach and dunes), Oued Mhannech (18 m), Oued Afertane (Afertane, 56 m), Maggou waterfall (Maggou, 786 m), Onsar Akboul (NPB, 1315 m), Oued Ametrasse (Ametrassé, 841 m), Oued Tahaddart (Tahaddart, 87 m), Issaguen (1543 m), Lemtahane (PNPB, 1088 m)

Spelobia hungarica (Villeneuve, 1917)

Gatt 2006, **Rif**, Tétouan, Martil; Marshall et al. 2011

Spelobia quaesita Roháček, 1983

Roháček et al. 2001; Marshall et al. 2011

Spinilimosina* Roháček, 1983Spinilimosina brevicostata* (Duda, 1918)

Roháček et al. 2001; Marshall et al. 2011

Telomerina* Roháček, 1983Telomerina pseudoleucoptera* (Duda, 1924)

Gatt et al. 2016, **Rif**, Maggou waterfall (Maggou, 786 m)

Thoracochaeta* Duda, 1918Thoracochaeta brachystoma* (Stenhammar, 1855)

Gatt 2006; Cassar et al. 2008, **Rif**, Tétouan, M'Diq, Smir; Marshall et al. 2011

Thoracochaeta erectiseta Carles-Tolrá, 1994

Gatt 2006, **Rif**, Tétouan, M'Diq, Smir, Oued Laou; Marshall et al. 2011

Trachyopella* Duda, 1918Trachyopella* (*Trachyopella*) *coprina* (Duda, 1918)

Gatt et al. 2016, **Rif**, Oued Jnane Niche (Jnane Niche, 27 m)

Trachyopella (*Trachyopella*) *melania* (Haliday, 1836)

Gatt et al. 2016, **Rif**, Oued Nwawel (Azla, 57 m), M'Diq (5 m)

Sphaerocerinae

Ischiolepta* Lioy, 1864Ischiolepta pusilla* (Fallén, 1820)Gatt et al. 2016, **Rif**, Oued Guallet (Bni Boufrah, 946 m), Aïn Tissemlal (Azilane, 1255 m)*Ischiolepta vaporariorum* (Haliday, 1836)Gatt 2006, **Rif**, Tétouan, Oued Laou; Marshall et al. 2011***Lotobia* Lioy, 1864***Lotobia africana* (Becker, 1907)

Roháček et al. 2001; Marshall et al. 2011

Lotobia pallidiventris (Meigen, 1830)Gatt 2006, **Rif**, Tétouan, M'Diq, Oued Laou; Marshall et al. 2011***Sphaerocera* Latreille, 1804***Sphaerocera curvipes* Latreille, 1805

Roháček et al. 2001; Marshall et al. 2011

Ephydroidea

BRAULIDAE

K. Kettani

Number of species: **1**. Expected: 1

Faunistic knowledge of the family in Morocco: good

Braulinae

Braula* Nitzsch, 1818Braula coeca* Nitzsch, 1818

Séguy 1930a; Mouna 1998; Howard et al. 2000

CAMILLIDAE

K. Kettani, M.J. Ebejer

Number of species: **4**. Expected: 5

Faunistic knowledge of the family in Morocco: poor

Camilla* Haliday in Curtis, 1837Camilla acutipennis* (Loew, 1865)Ebejer et al. 2019, **Rif**, Aïn Jdioui (Tahaddart, 76 m), Chrabkha pond (Al Manzla, 58 m)*Camilla flavicauda* Duda, 1922Mouna 1998; Pârvu et al. 2006, **AP**, Cap Sim; Popescu-Mirceni 2011*Camilla glabra* (Fallén, 1823)

Séguy 1941d, **HA**, Tizi-n'Test; Mouna 1998
Camilla pruinosa Duda, 1934
Ebejer et al. 2019, **AP**, Larache (5 m)

CRYPTOCHETIDAE

K. Kettani, E.P. Nartshuk
Number of species: **1**. Expected: 2
Faunistic knowledge of the family in Morocco: poor

Cryptochetum Rondani, 1875

Cryptochetum (as *Cryptochaetum*) *mimeuri* Séguy, 1953
Séguy 1953c, **MA**, Ifrane; Nartshuk 1979, **MA**, Ifrane

DIASTATIDAE

K. Kettani, M.J. Ebejer
Number of species: **2**. Expected: 3
Faunistic knowledge of the family in Morocco: poor

Campichoetinae

Campichoeta Macquart, 1835

Campichoeta obscuripennis (Meigen, 1830)
Ebejer et al. 2019, **HA**, Lalla Takrkoust (628 m)

Diastatinae

Diastata Meigen, 1830

Diastata adusta Meigen, 1830
= *Diastata unipunctata* Zetterstedt, 1847
Pârvu et al. 2006, **AP**, Merja Zerga; Popescu-Mirceni 2011

DROSOPHILIDAE

K. Kettani, G. Bächli
Number of species: **26**. Expected: 30
Faunistic knowledge of the family in Morocco: good

Drosophilinae

Drosophilini

Drosophila Fallén, 1823

Drosophila (*Drosophila*) *busckii* Coquillett, 1901

- = *Drosophila rubrostriata* Becker, 1908, in Séguy 1953a: 85
 Séguy 1953a, **AP**, Rabat, Sidi Yahia du Gharb; Prevosti 1974, **HA**, Asni; Mouna 1998; Chakir et al. 2011, **HA**, Marrakech – MISR
- Drosophila (Drosophila) buzzatii* Patterson & Wheeler, 1942
 Prevosti 1974, **HA**, Asni (Admin forest); Mouna 1998; Bächli 2015 (TaxoDros); **Rif** (Tanger) – ZMZ
- Drosophila (Drosophila) funebris* (Fabricius, 1787)
 Prevosti 1974, **HA**, Asni; Mouna 1998; **AP** (Maâmora) – MISR
- Drosophila (Drosophila) hydei* Sturtevant, 1921
 Staiger and Gloor 1952, **AP**, Rabat; Gloor and Satiger 1954, **AP**, Rabat; Prevosti 1974, **HA**, Asni (Admin forest); Mouna 1998; Chakir et al. 2011, **HA**, Marrakech
- Drosophila (Drosophila) immigrans* Sturtevant, 1921
 Mouna 1998; Chakir et al. 2011, **HA**, Marrakech; Bächli 2015 (TaxoDros); **Rif** (Tanger) – ZMZ
- Drosophila (Drosophila) kuntzei* Duda, 1924
 Mouna 1998; Prevosti 1974, **AP**, Essaouira, **HA**, Asni
- Drosophila (Drosophila) mercatorum* Patterson & Wheeler, 1942
 Prevosti 1974, **AA**, Agadir (Admin forest near Agadir); Mouna 1998
- Drosophila (Drosophila) phalerata* Meigen, 1830
 Prevosti 1974, **AP**, Essaouira, **HA**, Asni; Mouna 1998; Bächli 2015 (TaxoDros); **Rif** (Tanger), **MA** (Ifrane) – ZMZ
- Drosophila (Drosophila) repleta* Wollaston, 1858
 Séguy 1953a, **AP**, Rabat, **MA**, Fès
- Drosophila (Drosophila) tsigana* Burla & Gloor, 1952
 Suwito et al. 2014, **MA**, Ifrane
- Drosophila (Sophophora) ambigua* Pomini, 1940
 Mouna 1998; Bächli 2015 (TaxoDros); **Rif** (Tanger), **MA** (Ifrane) – ZMZ
- Drosophila (Sophophora) melanogaster* Meigen, 1830
 Medioni 1958; David and Bocquet 1973, **HA**, Marrakech, **AA**, Agadir, Ouarzazate, Taroudant, **AA**, Zagora; Prevosti 1974, **AP**, Essaouira, **HA**, Asni (Admin forest); Jousset and Plus 1975; Plus et al. 1975, **HA**, Marrakech, **AA**, Agadir, Ouarzazate, Taroudant, **AA**, Zagora; Prevosti et al. 1975, **Rif**, Tanger; Allemand and David 1976, **AA**, Ouarzazate; Ashburner and Lemeunier 1976, **HA**, Marrakech, **AA**, Agadir, Taroudant, **AA**, Zagora; Fleuriet 1976, **AA**, Zagora; Plus et al. 1976, **AA**, Ouarzazate, Zagora; Jousset 1976, **AA**, Ouarzazate; Plus and Scotti 1984, **AA**, Ouarzazate; Thomas-Orillard 1984, **AA**, Ouarzazate; Afonso et al. 1985, **HA**, Asni; Prevosti et al. 1985, **AP**, Essaouira, **AA**, Agadir; David et al. 1986, **AP**, Rabat, Casablanca; Ayala et al. 1989, **Rif**, Chefchaouen; Boulétreau et al. 1992, **AA**, Agadir; Costa et al. 1992, **AP**, Casablanca; Capy et al. 1993, **AP**, Casablanca, Rabat; Ritchie et al. 1994, **AP**, Casablanca; Mouna 1998; Bonnivard and Higuier 1999, **AA**, Agadir; Chakir et al. 2002, 2007, 2008, 2011, **HA**, Marrakech; Ayrinhac et al. 2004, **HA**, Marrakech; Catania et al. 2004, **HA**, Marrakech **AA**, Agadir; Rohmer et al. 2004, **HA**, Marrakech; Dieringer et al. 2005, **HA**, Marrakech, **AA**, Agadir; Yassin

and Orgogozo 2013, **HA**, Marrakech; Bächli 2015 (TaxoDros) – HNHM, **AP** (Rabat), **HA** (Marrakech) – MISR, **MA** (Ifrane) – ZMZ

Drosophila (Sophophora) simulans Sturtevant, 1919

Prevosti 1974, **AP**, Essaouira, **HA**, Asni (Admin forest); Baba-Aissa et al. 1988, **AP**, Rabat; Nigro 1988, **AP**, Larache; Capy et al. 1990, 1992, 1993, **AP**, Rabat, **MA**, Béni Mellal **AA**, Agadir; Chakrani et al. 1993, **AA**, Agadir; Mouna 1998; Charlat et al. 2003, **AA**, Agadir; Biémont et al. 2003, **HA**, Marrakech; Chakir et al. 2002, 2007, 2008, 2011, **HA**, Marrakech; Nardon et al. 2005, **HA**, Marrakech; Yassin and Orgogozo 2013, **HA**, Marrakech; Bächli 2015 (TaxoDros); **AA** (Agadir) – ZMZ

Drosophila (Sophophora) subobscura Collin, 1936

Götz 1965, **Rif**, Tanger; Prevosti 1971a, **Rif**, Tanger; Prevosti 1971b, **AP**, Essaouira, **HA**, Asni, **AA**, Ait-Melloul; Prevosti 1971c; Gonzalez-Duarte et al. 1973, **AP**, Essaouira, **HA**, Asni **AA**, Agadir; Prevosti 1974, **AP**, Essaouira, **HA**, Asni (Admin forest); Prevosti et al. 1975, **AA**, Agadir; Duarte 1976, **AP**, Essaouira, **HA**, Asni **AA**, Agadir; Gonzalez 1976, **AP**, Essaouira, **HA**, Asni, **AA**, Agadir; Prevosti 1978, **Rif**, Tanger, **AP**, Essaouira, **HA**, Asni **AA**, Agadir; Krimbas and Loukas 1980, **AA**, Agadir; Cabrera et al. 1983, **Rif**, Chefchaouen; Laruga et al. 1983, **Rif**, Chefchaouen; Prevosti et al. 1985, **AA**, Agadir; Pascual et al. 1986, **Rif**, Chefchaouen; Latorre et al. 1986, **Rif**, Chefchaouen; Constanti et al. 1986, **Rif**, Chefchaouen; Ayala et al. 1989, **Rif**, Chefchaouen; Afonso et al. 1990, **Rif**, Chefchaouen; Pascual et al. 1990, **Rif**, Chefchaouen; Paricio et al. 1991, **Rif**, Chefchaouen; Menozzi and Krimbas 1992, **AA**, Agadir; Latorre et al. 1992, **Rif**, Chefchaouen; Fain et al. 1993, **AA**, Agadir; Alberola and Frutos 1993; Alberola and Frutos 1996; Pinto et al. 1997, **HA**, Asni, Marrakech **AA**, Agadir; Mouna 1998; David et al. 2003, **HA**, Marrakech; Brehm et al. 2004, **AA**, Agadir; Nardon et al. 2005, **HA**, Marrakech; Bächli 2015 (TaxoDros); **MA** (Azrou) – NHMD

Drosophila (Sophophora) suzukii (Matsumura, 1931)

Landolt et al. 2012, **Rif**, north-eastern Morocco

Hirtodrosophila Duda, 1924

Hirtodrosophila cameraria (Haliday, 1833)

Ebejer et al. 2019, **Rif**, Aïn Ras el Ma, ruisseau maison forestière (Talassemthane)

Lordiphosa Basden, 1961

Lordiphosa andalusiaca (Strobl, 1906)

= *Lordiphosa forcipata* (Collin, 1952), in Hackman 1960: 102

Hackman 1960; Bächli 2015 (TaxoDros); **AP** (Rabat) – NHMD

Scaptomyza Hardy, 1849

Scaptomyza adusta (Loew, 1862)

Ebejer et al. 2019, **Rif**, Dardara (730 m), **AP**, Loukous marsh (2 m)

Scaptomyza flava (Fallén, 1823)

= *Scaptomyza flaveola* (Meigen, 1830), in Kozłowsky and Rungs 1932: 66

Kozłowsky and Rungs 1932, **AP**, Rabat

Scaptomyza graminum (Fallén, 1823)

Maarouf 2003, **HA**, Chaouia; Bächli 2015 (TaxoDros); **HA** (Asni, Tinerhir) – NHMD

Scaptomyza (*Parascaptomyza*) *pallida* (Zetterstedt, 1847)

Ibn Jilali 1988 (agricultural areas); Maarouf 2003, **HA**, Chaouia; Bächli 2015 (TaxoDros); **AP** (Essaouira) MHNNR, **MA** (Azrou) – NHMD

***Scaptodrosophila* Duda, 1923**

Scaptodrosophila rufifrons (Loew, 1873)

Mouna 1998; Bächli 2015 (TaxoDros); **Rif** (Tanger) – ZMZ

***Zaprionus* Coquillett, 1901**

Zaprionus indianus Gupta, 1970

Yassin and David 2010

Steganinae

Gitonini

***Gitona* Meigen, 1830**

Gitona microchaeta Séguy, 1941

Séguy 1941d, **AA**, Agadir; Bächli 1982, **AA**, Agadir; Bächli and Rocha Pité 1984, **AA**, Agadir; Mouna 1998

***Phortica* Fallén, 1823**

Phortica variegata (Fallén, 1823)

Ebejer et al. 2019, **Rif**, Bab Berred (1433 m), Jebel Lakraâ (Talassemthane, 1541 m)

Steganini

***Leucophenga* Mik, 1886**

Leucophenga maculata (Dufour, 1839)

Séguy 1934b, **AP**, Port-Liautey (Maâmora)

EPHYDRIDAE

K. Kettani, T. Zatwarnicki

Number of species: **117**. Expected: 140

Faunistic knowledge of the family in Morocco: good

Discomyzinae

Discomyzini

***Actocetor* Becker, 1903**

Actocetor indicus (Wiedemann, 1824)

= *Actocetor margaritatus* (Wiedemann, 1830), in Séguy 1934b: 162, 1953a: 86

Séguy 1934b, **Rif**, Béni Aross; Séguy 1953a, **SA**, Tindouf

Discomyza* Meigen, 1830Discomyza incurva* (Fallén, 1823)

- = *Discomyza italica* Séguy, 1929, in Vitte 1991: 3; Dakki 1997: 63
 Cresson 1939; Vitte 1991, **AP**, Atlantic coast and Plains; Dakki 1997

Psilopini

Clanoneurum* Becker, 1903Clanoneurum cimiciforme* (Haliday, 1855)

- Séguy 1941d, **AA**, Agadir; Dahl 1964; Vitte 1991, **AP**, Rabat; Dakki 1997

Diasemocera* Bezzi, 1895Diasemocera aequalipes* (Becker, 1907)

- = *Psilopa aequalipes* (Becker, 1907), in Ebejer et al. 2019: 147
 Zatwarnicki 2018; Ebejer et al. 2019, **AA**, Lac Tiffert (4 km W of Merzouga,
 702 m), Ziz river (13 km N of Erfoud, 800 m)

Diasemocera biskrae (Becker, 1907)

- = *Psilopa biskrae* (Becker, 1907), in Vitte 1991: 32
 Vitte 1991, **AP**, M'Diq; Dakki 1997

Diasemocera composita (Becker, 1903)

- = *Psilopa composita* (Becker, 1903), in Vitte 1991: 32, Dakki 1997: 63
 Vitte 1991, **AP**, Rabat; Dakki 1997

Diasemocera fratella (Becker, 1903)

- = *Psilopa fratella* (Becker, 1903), in Ebejer et al. 2019: 147
 Ebejer et al. 2019, **AA**, Errachidia (1 km N of Tarda, 1023 m), **AA**, Ziz river
 (13 km N of Erfoud, 800 m)

Diasemocera glabricula (Fallén, 1813)

- = *Psilopa nigritella* Stenhammar, 1844, in Vitte 1988: 394; Dakki 1997: 63
 Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**; Dakki 1997

Diasemocera leucostoma (Meigen, 1830)

- = *Psilopa leucostoma* (Meigen, 1830), in Séguy 1941d: 18
 Séguy 1941d, **AA**, Agadir

Diasemocera maritima (Perris, 1847)

- = *Psilopa maritima* (Perris, 1847), in Cassar et al. 2008: 25
 Cassar et al. 2008, **Rif**, Laou Basin

Diasemocera nana (Loew, 1860)

- = *Psilopa nana* Loew, 1860, in Vitte 1991: 32, Dakki 1997: 63
 Vitte 1991, **Rif**, **AP**, Atlantic coast; Dakki 1997

Diasemocera rufithorax (Becker, 1903)

- = *Psilopa rufithorax* (Becker, 1903), in Ebejer et al. 2019: 147
 Ebejer et al. 2019, **AA**, Merzouga (714 m)

Psilopa* Fallén, 1823Psilopa clara* (Wollaston, 1858)

- = *Psilopa rutilans* Canzoneri & Meneghini, 1972, in Cassar et al. 2005: 69

- Cassar et al. 2005, **Rif**, Smir lagoon; Zatwarnicki 2018, **AP**, Larache (Lower Loukous), Safi, **AA**, Sidi Moussa, D'Agion (0–50 m)
- Psilopa meneghinii* Canzoneri, 1986
Vitte 1991, **AP**, Atlantic coast; Dakki 1997
- Psilopa compta* (Meigen, 1830)
Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997
- Psilopa nilotica* (Becker, 1903)
Ebejer et al. 2019, **AA**, Ziz river (10 km S of Errachidia, 1008 m), 1 km N of Tarda (Errachidia, 1023 m), Merzouga (714 m), 2 km N Erfoud (818 m)
- Psilopa nitidula* (Fallén, 1813)
Becker and Stein 1913, **Rif**, Tanger; Séguy 1941a, **HA**, Toubkal; Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**; Zatwarnicki 1991, **Rif**, Tanger, Tétouan, **MA**, Ifrane; Dakki 1997
- Psilopa obscuripes* Loew, 1860
Ebejer et al. 2019, **Rif**, Oued Azla (near bridge, 80 m), **AP**, Larache (5 m), Lower Loukous saltmarsh (2 m), **MA**, Khénifra (28 km S of Timahdit, 2100 m)
- Psilopa polita* (Macquart, 1835)
Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**; Dakki 1997

Risini

***Achaetorisa* Papp, 1980**

- Achaetorisa brevicornis* Papp, 1980
Papp 1980, **HA**, Ouirgane

Ephydrinae

Dagini

***Brachydeutera* Leow, 1862**

- Brachydeutera meridionalis* (Rondani, 1856)
= *Brachydeutera ibari* Ninomyia, 1929, in Ebejer et al. 2019: 147
Ebejer et al. 2019, **Rif**, Oued Martil (Taboula, 14 m)

Parydrini

***Parydra* Stenhammar, 1844**

- Parydra (Chaetoapnaea) fossarum* (Haliday, 1833)
Séguy 1930a, **AP**, Rabat, **MA**, Meknès, **HA**, Marrakech; Vitte 1991; Dakki 1997; Vitte 1988, **MA**, lakes of Middle Atlas; **MA** (Jebel Khazzane) – MISR
- Parydra (Chaetoapnaea) hecate* (Haliday, 1833)
= *Napaea hecate* (Haliday), in Vaillant 1956b: 244
Vaillant 1956b, **HA**, Imi-N'Ifri

Parydra (Chaetoapnaea) quadripunctata (Meigen, 1830)

Pârvu et al. 2006, **AP**, Merja Zerga; Pârvu and Zaharia 2007; Popescu-Mirceni 2011, **AP**, Merja Zerga

Parydra (Paranapaea) pubera Loew, 1860

Dahl 1964, **AA**, Aït Melloul, Oued Souss; Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997

Parydra (Parydra) aquila (Fallén, 1813)

Vitte 1991, **Rif**, Ouezzane, Ketama; Dakki 1997

Parydra (Parydra) coarctata (Fallén, 1813)

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**, Ksar el Kbir; Dakki 1997

Parydra (Parydra) cognata Loew, 1860

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997

Parydra (Parydra) flavitarsis Dahl, 1964

Vitte 1988, **Rif**, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**, **MA**, Fès; Dakki 1997; Gatt and Ebejer 2003; Dakki et al. 2003; Chillasse and Dakki 2004, **Rif**, **MA**; Dakki and Himmi 2008, **MA**, Oued Sebou

Parydra (Parydra) littoralis (Meigen, 1830)

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**, Tétouan, Ketama; Dakki 1997

Parydra (Parydra) nigritarsis Strobl, 1893

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**, Ketama; Dakki 1997

Parydra (Parydra) nubecula Becker, 1896

Pârvu et al. 2006, **AA**, Lac Edehby, Ouarzazate; Popescu-Mirceni 2011, **AP**, Merja Zerga

Parydra (Parydra) quinquemaculata Becker, 1896

Vitte 1991, **AP**, Moulay Bousselham; Dakki 1997

Ephydrini

***Ephydra* Fallén, 1823**

Ephydra bivittata Loew, 1860

Vitte 1991; Dakki 1997

Ephydra flavipes (Macquart, 1843)

Vitte 1991, **AP**, Atlantic coast; Dakki 1997

Ephydra glauca Meigen, 1830

Vitte 1991; Dakki 1997

Ephydra macellaria Egger, 1862

Dahl 1964, **AA**, Oued Souss; Vitte 1988, **MA**, lakes of Middle Atlas; Dakki 1997; Vitte 1991, **AP**, Atlantic coast

***Halmopota* Haliday, 1856**

Halmopota mediterranea Loew, 1860

Dahl 1964, **AA**, Aït Melloul; Dakki 1997; Vitte 1991, **Rif**, Asilah, Chefchaouen

***Paracoenia* Cresson, 1935**

Paracoenia fumosa (Stenhammar, 1844)

Vitte 1988, **MA**, lakes of Middle Atlas; Dakki 1997

***Setacera* Cresson, 1930**

Setacera breviventris (Loew, 1860)

Vitte 1991, **Rif**, Ksar el Kbir; Dakki 1997

Scatellini

***Haloscatella* Mathis, 1979**

Haloscatella dictaeta (Loew, 1860)

= *Scatella dictaeta* Loew, 1860, in Vitte 1988: 392, 1991: 26; Dakki 1997: 62

Vitte 1988, **MA**, Khemisset, Oued Beth, Dayat Aoua; Vitte 1991, **AP**, Moulay Bousselham; Dakki 1997

***Lamproscatella* Hendel, 1917**

Lamproscatella sibilans (Haliday, 1833)

Ebejer et al. 2019, **AA**, 1 km N of Tarda (Errachidia, 1023 m)

***Limnellia* Malloch, 1925**

Limnellia quadrata (Fallén, 1813)

Vitte 1991, **Rif**, Central Rif; Dakki 1997

***Philotelma* Becker, 1896**

Philotelma nigripenne (Meigen, 1830)

= *Scatella nigripennis* (Meigen, 1830), in Vitte 1988: 391; Dakki 1997: 62

Vitte 1988, **MA**, lakes of Middle Atlas; Dakki 1997

***Scatella* Robineau-Desvoidy, 1830**

Scatella (*Neoscatella*) *subguttata* (Meigen, 1830)

Vitte 1991, **AP**, Atlantic and Mediterranean coast, Smir lagoon; Dakki 1997; Pârvu et al. 2006, **AP**, Merja Zerga; Popescu-Mirceni 2011

Scatella (*Scatella*) *ciliata* Collin, 1930

Vitte 1991, **AP**, Moulay Bousselham, Asilah; Dakki 1997

Scatella (*Scatella*) *lacustris* (Meigen, 1830)

= *Scatella* (*Scatella*) *tenuicosta* Collin, 1930, in Ebejer et al. 2019: 147

Ebejer et al. 2019, **AA**, Ziz river (13 km N of Erfoud, 800 m)

Scatella (*Scatella*) *lutosa* (Haliday, 1833)

Vitte 1991, **AP**, Moulay Bousselham; Dakki 1997

Scatella (*Scatella*) *obsoleta* Loew, 1861

= *Scatella callosicosta* Bezzi, 1895, in Vitte 1988: 392, 1991: 26; Dakki 1997: 62

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**, M'Diq; Dakki 1997

Scatella (*Scatella*) *paludum* (Meigen, 1830)

Dahl 1964, **AP**, Oued Korifla; Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997

Scatella (*Scatella*) *rufipes* Strobl, 1906

= *Scatella rubida* Becker, 1907, in Olafsson 1991: 21; Vitte 1991: 26; Dakki 1997: 62

Olafsson 1991, **EM**, Figuig, Defilia; Vitte 1991, **Rif**, **AP** (Atlantic coast); Dakki 1997; Gatt and Ebejer 2003

Scatella (*Scatella*) *stagnalis* (Fallén, 1813)

Séguy 1941a, **HA**, Toubkal; Dahl 1964, **AA**, Aït Melloul, Oued Souss; Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997

Scatophila* Becker, 1896Scatophila caviceps* (Stenhammar, 1844)

Vitte 1988, **AP**, Rabat, Temara, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997

Scatophila despecta (Haliday, 1839)

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **MA**, Khemisset, Oued Beth; Dakki 1997

Scatophila farinae Becker, 1903

Zatwarnicki 1987, **HA**, Vallée de l'Ait Mizane; Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **MA**, Taounate; Dakki 1997; Gatt and Ebejer 2003

Scatophila modesta Becker, 1908

Vitte 1991, **Rif**, Tétouan; Dakki 1997

Scatophila unicornis Czerny, 1900

Ebejer et al. 2019, **AA**, 14 km E of Rich (Errachidia, 1278 m)

Gymnomyzinae

Discocerini

Diclasioipa* Hendel, 1917Diclasioipa galactoptera* (Becker, 1903)

= *Discocerina galactoptera* Becker, in Vitte 1988: 394; Dakki 1997: 63

Vitte 1988, **MA**, lakes of Middle Atlas; Dakki 1997; Kirk-Spriggs and McGregor 2009

Diclasioipa lacteipennis (Loew, 1862)

= *Discocerina lacteipennis* Loew, 1862, in Vitte 1988: 394, 1991: 32; Dakki 1997: 63

Vitte 1988, **MA**, lakes of Middle Atlas; Rabat; Vitte 1991, **MA**, Khemisset, Taounate; Dakki 1997

Diclasioipa niveipennis (Becker, 1896)

= *Discocerina niveipennis* (Becker, 1896), in Vitte 1988: 394, 1991: 32; Dakki 1997: 63

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **AP**, Moulay Bousselham; Dakki 1997

Discocerina* Macquart, 1835Discocerina obscurella* (Fallén, 1813)

Vitte 1988, **AP**, **MA**, lakes of Middle Atlas; Vitte 1991, **MA**, Fès, Taounate; Mathis 1997; Dakki 1997; Wolff et al. 2016

Ditrichophora* Cresson, 1924Ditrichophora calceata* (Meigen, 1830)

= *Discocerina calceata* (Meigen, 1830), in Vitte 1988: 394; Dakki 1997: 63

Vitte 1988, **MA**, lakes of Middle Atlas; Dakki 1997

Ditrichophora mauritanica (Vitte, 1991)

= *Discocerina mauritanica* Vitte, 1991, in Vitte 1991: 33

Vitte 1991, **Rif, MA**, Azrou; Dakki 1997; Chillasse and Dakki 2004, **Rif, MA**;
Dakki and Himmi 2008, **MA**, Oued Sebou

***Gymnoclasiopa* Hendel, 1930**

Gymnoclasiopa plumosa (Fallén, 1823)

= *Discocerina plumosa* (Fallén, 1823), in Vitte 1988: 394, 1991: 33; Dakki 1997: 63

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**; Dakki 1997

Gymnoclasiopa pulchella (Meigen, 1830)

= *Discocerina pulchella* (Meigen, 1830), in Vitte 1991: 33; Dakki 1997: 63

Vitte 1991, **Rif**, Ketama, Ouezzane; Dakki 1997

***Hecamedoides* Hendel, 1917**

Hecamedoides glaucellus (Stenhammar, 1844)

= *Discocerina glaucella* (Stenhammar, 1844), in Vitte 1991: 33

Vitte 1991, **Rif, AP**

***Polytrichophora* Cresson, 1924**

Polytrichophora duplosetosa (Becker, 1896)

AP (Rabat) – MISR

Gymnomyzini

***Athyroglossa* Loew, 1860**

Athyroglossa (Athyroglossa) glabra (Meigen, 1830)

Vitte 1988, **Rif, MA**, lakes of Middle Atlas; Dakki 1997

Athyroglossa (Athyroglossa) nudiuscula Loew, 1860

Vitte 1991, **Rif**; Dakki 1997

Athyroglossa (Parathyroglossa) ordinata Becker, 1896

Vitte 1991, **Rif**; Vitte 1988, **MA**, lakes of Middle Atlas; Mathis and Zatwarnicki 1990, **MA**, Ifrane; Dakki 1997

***Chlorichaeta* Becker, 1922**

Chlorichaeta albipennis (Loew, 1848)

Vitte 1991; Dakki 1997

***Mosillus* Latreille, 1804**

Mosillus subsultans (Fabricius, 1794)

= *Gymnopa subsultans* Fabricius, in Séguy 1930a: 181

Séguy 1930a, **MA**, M'Rirt, **HA**, Imminen (Tachidirt); Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**; Mathis et al. 1993, **MA**, Ifrane (1650 m), maison forestière (cedar forest: 2700 m), Oued Jaffar (N of source, 0–1500 m), **HA**, Mikdane (Jebel Ayachi); Dakki 1997; Koçak and Kemal 2010

Hecamedini

***Allotrichoma* Becker, 1896**

Allotrichoma laterale (Loew, 1860)

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997

Allotrichoma leotoni Vitte, 1992

Vitte 1992, **Rif**, Ouezzane, Boured

Allotrichoma quadripectinatum (Becker, 1896)

= *Allotrichoma bellicosum* Giordani Soika, 1956, in Vitte 1991: 30; Dakki 1997: 63

Vitte 1991, **Rif**, **AP**; Dakki 1997

Allotrichoma simplex (Loew, 1861)

= *Allotrichoma filiforme* Becker, 1896, in Vitte 1988: 393, 1991: 30; Dakki 1997: 63

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **MA**, Khemisset, Oued Sebou; Dakki 1997

***Elephantinosoma* Becker, 1903**

Elephantinosoma chnumi Becker, 1903

Gatt and Ebejer 2003; Kirk-Spriggs and McGregor 2009

***Hecamede* Haliday, 1837**

Hecamede albicans (Meigen, 1830)

Vitte 1991, **AP**; Dakki 1997; Pârvu et al. 2006, **AP**, Merja Zerga; Cassar et al. 2008, **Rif**, Smir Lagoon; Popescu-Mirceni 2011

Lipochaetini

***Glenanthe* Haliday, 1839**

Glenanthe ripicola (Haliday, 1839)

Vitte 1991, **AP**; Dakki 1997; Cassar et al. 2008, **Rif**, Laou Basin; Zatwarnicki and Mathis 2011, **AA**, Tarfaya – HNHM

***Homalometopus* Becker, 1903**

Homalometopus sp.

Vitte 1991

Ochtherini

***Ochthera* Latreille, 1802**

Ochthera manicata (Fabricius, 1794)

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997

Ochthera pilimana Becker, 1903

Dakki 1997

Ochthera schembrii Rondani, 1847

= *Ochthera mantispa* Loew, 1847, in Vitte 1988: 394, 1991: 28; Dakki 1997: 63

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**, **AP**; Dakki 1997

Hydrelliinae

Atissini

***Asmeringa* Becker, 1903**

Asmeringa inermis Becker, 1903

Vitte 1991, **AP**, Rabat; Dakki 1997; Gatt and Ebejer 2003

Atissa* Haliday, 1839Atissa durrenbergensis* Loew, 1864Vitte 1991, **AP**; Dakki 1997*Atissa hepaticoloris* Becker, 1903Vitte 1991, **AP**; Dakki 1997; Gatt and Ebejer 2003*Atissa limosina* Becker, 1896Vitte 1991, **AP**, Rabat, **MA**, Fès; Dakki 1997*Atissa pygmaea* (Haliday, 1839)Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997; Pârvu et al. 2006, **AA**, Lac Edehby, Ouarzazate; Popescu-Mirceni 2011***Ptilomyia* Coquillett, 1900***Ptilomyia angustigenis* (Becker, 1926)= *Atissa angustigenis* Becker, in Vitte 1988: 393, 1991: 30; Dakki 1997: 63Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997; Gatt and Ebejer 2003

Dryxini

Dryxo* Robineau-Desvoidy, 1830Dryxo ornata* (Macquart, 1843)Mathis and Zatwarnicki 2002, **AA**, Aoulouz

Hydrelliini

Hydrellia* Robineau-Desvoidy, 1830Hydrellia albifrons* (Fallén, 1813)Vitte 1991, **AP**, **Rif**; Dakki 1997*Hydrellia argyrogenis* Becker, 1896Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **AP**, Atlantic coast and Plains; Dakki 1997*Hydrellia armata* Canzoneri & Meneghini, 1976Vitte 1991, **Rif**, Ksar el Kbir, **MA**, Fès; Dakki 1997; Dakki and Himmi 2008, **MA**, Oued Sebou*Hydrellia atlas* Vitte, 1989Vitte 1989, **MA**, Dayat Aoua; Dakki 1997; Dakki et al. 2003; Chilasse and Dakki 2004, **MA***Hydrellia griseola* (Fallén, 1813)Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997; Wolff et al. 2016; **Rif** (Oued Laou) – MISR*Hydrellia maculiventris* Becker, 1896Vitte 1991, **Rif**, **AP**, Atlantic coast; Dakki 1997; Gatt and Ebejer 2003*Hydrellia maura* Meigen, 1838= *Hydrellia modesta* Loew, 1860, in Vitte 1988: 392, 1991: 29; Dakki 1997: 63

- Vitte 1988, **MA**, lakes of Middle Atlas; Zatwarnicki 1988, **MA**, Ifrane, **HA**, Vallée de l'Aït Mizane; Vitte 1991; Dakki 1997
- Hydrellia nigricans* (Stenhammar, 1844)
Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**; Dakki 1997
- Hydrellia obscura* (Meigen, 1830)
Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**; Dakki 1997; **Rif** (Aïn Jdioui) – MISR
- Hydrellia pubescens* Becker, 1926
= *Hydrellia nasturtii* Collin, 1928, in Vitte 1991: 29; Dakki 1997: 63
Vitte 1991, **MA**, Fès; Dakki 1997; Gatt and Ebejer 2003
- Hydrellia ranunculi* (Haliday, 1838)
Vitte 1991, **AP**, Moulay Bousselham; Dakki 1997
- Hydrellia rharbia* Vitte, 1991
Vitte 1989, **AP**, Merja Halloufa (near Moulay Bousselham); Dakki 1997; Dakki and Himmi 2008, **MA**, Oued Sebou
- Hydrellia subalbiceps* Collin, 1966
Vitte 1991, **Rif**, Ketama; Vitte 1988, **MA**, lakes of Middle Atlas; Dakki 1997

Notiphilini

***Notiphila* Fallén, 1810**

- Notiphila (Notiphila) annulipes* Stenhammar, 1844
Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**; Dakki 1997
- Notiphila (Notiphila) cinerea* Fallén, 1830
Séguy 1930a, **MA**, Meknès; Séguy 1941a, **HA**, Imi-n'Ouaka; Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997; Pârvu et al. 2006, **AP**, Merja Zerga; Kirk-Spriggs and McGregor 2009; **Rif** (Talasemtane, Aïn Jdioui) – MISR
- Notiphila (Notiphila) cogani* Canzoneri & Meneghini, 1979
Vitte 1988, **MA**, lakes of Middle Atlas; Krivosheina 1998; Vitte 1991; Dakki 1997; **Rif** (Aïn Jdioui) – MISR
- Notiphila (Notiphila) dorsata* Stenhammar, 1844
Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **AP**, coastal lake areas; Dakki 1997
- Notiphila (Notiphila) maculata* Stenhammar, 1844
Vitte 1991, **Rif**, **AP**, coastal plains; Vitte 1988, **MA**, lakes of Middle Atlas; Dakki 1997
- Notiphila (Notiphila) riparia* Meigen, 1830
Krivosheina 1998, **AA**, Aït Melloul (Souss); Vitte 1988, **MA**, lakes of Middle Atlas and reedbeds; Vitte 1991; Dakki 1997
- Notiphila (Notiphila) stagnicola* (Robineau-Desvoidy, 1830)
Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991, **Rif**, **AP**, coastal plains; Dakki 1997; Pârvu et al. 2006, **AA**, Lac Edehby, Ouarzazate; Popescu-Mirceni 2011, **AA**, Ouarzazate

Ilytheinae

Hyadinini

***Hyadina* Haliday, 1837**

Hyadina guttata (Fallén, 1813)

Vitte 1988, **MA**, lakes of Middle Atlas; Vitte 1991; Dakki 1997

Hyadina pollinosa Oldenberg, 1923

Vitte 1991, **MA**, Fès; Dakki 1997

Hyadina rufipes (Meigen, 1830)

= *Hyadina nitida* (Macquart, 1835), in Vitte 1991: 27; Dakki 1997: 63

Vitte 1991, **AP**, Moulay Bousselham; Dakki 1997

***Nostima* Coquillett, 1900**

Nostima picta (Fallén, 1813)

Vitte 1991, **AP**; Vitte 1988, **MA**, lakes of Middle Atlas; Dakki 1997

***Pelina* Haliday, 1837**

Pelina aenea (Fallén, 1813)

Vitte 1991, **Rif**, Ouezzane; Dakki 1997

Pelina subpunctata Becker, 1896

Ebejer et al. 2019, **Rif**, Jebel Lakraâ (Talassemthane, 1541 m)

***Philygria* Stenhammar, 1844**

Philygria posticata (Meigen, 1830)

Ebejer et al. 2019, **MA**, Khénifra (17 km SW of Midelt, 1940 m)

Acknowledgements

We gratefully acknowledge the assistance and cooperation of Martin J. Ebejer who contributed to the revision of this family.

Hippoboscoidea

HIPPOBOSCIDAE

K. Kettani, B. Droz

Number of species: **17**. Expected: 25

Faunistic knowledge of the family in Morocco: moderate

Hippoboscinae

Hippoboscini

***Crataerina* von Olfers, 1816**

Crataerina acutipennis Austen, 1926

Mouna 1998: 85

Crataerina pallida (Latreille, 1811)

Maa 1969; Mouna 1998; **AA** (Tiznit) – MISR

Hippobosca* Linnaeus, 1758Hippobosca camelina* Leach, 1817= *Hippobosca dromedarina* Speiser, in Séguy 1930a: 184Séguy 1930a; Bequaert 1939, **AP**, Rabat, **EM**, Taourit, **HA**; Séguy 1953a, **AA**, Zegdou, **SA**, Oued Agouidir; Mouna 1998; **EM** (Oued el Maa) – MISR*Hippobosca equina* (Linnaeus, 1758)Séguy 1930a, **AP**, Rabat, Settat, Mogador; Séguy 1953a, **AA**, Inzegane; Maa 1969; Bequaert 1939, **MA**, Aguelmane, **HA**, Ijoukak – MISR*Hippobosca fulva* Austen, 1912Bequaert 1939, **EM**, Taourirt (Ebner), Tendirara (Ebner); Maa 1963*Hippobosca longipennis* Fabricius, 1805= *Hippobosca capensis* Olfers, in Bequaert 1939: 78Séguy 1930a, **MA**, Meknès; Bequaert 1939, **HA**, Marrakech; Maa 1963, 1969; Mouna 1998; **AA** (Agdz) – MISR*Hippobosca variegata* Megerle, 1803= *Hippobosca maculata* Leach, in Séguy 1930a: 184Séguy 1930a; Moussiaux and Desmecht 2008, **HA** (south)***Icosta* Speiser, 1905***Icosta minor* (Bigot, 1858)= *Lynchia minor* Bigot, in Mouna 1998: 85

Báez 1978; Mouna 1998

Ornithoica* Rondani, 1878Ornithoica turdi* (Olivier in Latreille, 1811)Maa 1966, **EM**, Figuig; Maa 1969; Mouna 1998; Droz and Haenni 2011***Ornithomyia* Latreille, 1802***Ornithomyia avicularia* (Linnaeus, 1758)

Séguy 1930a; Mouna 1998

Ornithomyia fringillina (Curtis, 1836)Séguy 1930a, **MA**, Meknès; Mouna 1998***Ornithophila* Rondani, 1879***Ornithophila gestroi* (Rondani, 1878)= *Ornithoza gestroi* Rondani, in Mouna 1998: 85

Mouna 1998; Pape and Thompson 2019

Ornithophila metallica (Schiner, 1864)= *Ornithoza metallica* Schiner

Mouna 1998: 85

Pseudolynchia* Bequaert, 1926Pseudolynchia canariensis* (Macquart, 1839)= *Pseudolynchia maura* Bigot, in Séguy 1930a: 184

Séguy 1930a; Mouna 1998

Stenepteryx* Leach, 1817Stenepteryx hirundinis* (Linnaeus, 1758)= *Crataerina hirundinis* Linnaeus, in Mouna 1998: 85Summer 1978, **MA**, Midelt; Mouna 1998

Lipopteninae

Lipoptena* Nitzsch, 1818Lipoptena capreoli* Rondani, 1878

Mouna 1998: 85

Melophagus* Latreille, 1802Melophagus ovinus* (Linnaeus, 1758)= *Melanophagus ovinus* Linnaeus, in Mouna 1998: 85

Séguy 1930a; Maa 1969; Mouna 1998

NYCTERIBIIDAE

K. Kettani, G. Gracioli

Number of species: **8**. Expected: 18

Faunistic knowledge of the family in Morocco: poor

Nycteribiinae

Basilia* Miranda-Ribeiro, 1903Basilia italica* Theodor, 1954

Aellen 1955

Nycteribia* Latreille, 1796Nycteribia (Acrocholidia) vexata* Westwood, 1835

Aellen 1952; Aellen 1955, **AP**, Grotte de Sidi Bou Knadel (hosts: *Myotis oxygnathus* Monticelli, 1885, *Miniopterus shreibersii* (Kuhl, 1817) and *Rhinolophus mehelyi* (Matschie, 1901)), **MA**, Grotte de Ras el Oued (host: *Myotis oxygnathus* and *Miniopterus shreibersii*; Aellen 1963; Theodor 1967, **MA**, Oued Mellah; Mouna 1998

Nycteribia (Nycteribia) latreillei (Leach, 1817)

Séguy 1930a, **Rif**, Samsa (Tétouan); Aellen 1952; Aellen 1955, **AP**, Grotte de Sidi Bou Knadel (host: *Miniopterus shreibersii* (Kuhl, 1817)), **MA**, Grotte de Ras el Oued (hosts: *Myotis oxygnathus* Monticelli, 1885 and *Miniopterus shreibersii*); Aellen 1963; Theodor 1967, **AP**, Mazagan (host: *Myotis myotis* (Bourhausen, 1797)); Mouna 1998

Nycteribia (Nycteribia) pedicularia Latreille, 1805= *Listropodia pedicularia* Latreille, in Séguy 1930a: 185

Falcoz 1924, **Rif**, Caverne d'Hercule; Séguy 1930a, **Rif**, Caverne d'Hercule; Mouna 1998

Nycteribia (Nycteribia) schmidtlii Schiner, 1853= *Listropodia schmidtlii* Schiner, in Séguy 1930a: 186

Falcoz 1924, **Rif**, Caverne de Samsa (near Tétouan); Séguy 1930a, **Rif**, Caverne de Samsa, **SA**; Aellen 1952; Aellen 1955, **AP**, Grotte de Sidi Bou Knadel (undetermined bat), **MA**, Grotte de Ras el Ma (host: *Rhinolophus ferrumequinum* (Schreber, 1774)), Grotte de Ras el Oued (hosts: *Miniopterus shreibersii* (Kuhl,

1817) and *Myotis oxygnathus* Monticelli, 1885); Aellen 1963; Theodor 1967 (host: *Rhinolophus ferrumequinum*); Mouna 1998

***Penicillidia* Kolenati, 1963**

Penicillidia (*Penicillidia*) *conspicua* Speiser, 1901

Falcoz 1924, **Rif**, Caverne d'Hercule, Caverne de Samsa (near Tétouan); Séguy 1930a, **Rif**, Caverne d'Hercule, Caverne de Samsa; Aellen 1952; Aellen 1955, **MA**, Grotte de Ras el Oued, **AP**, Grotte de Sidi Bou Knadel; Aellen 1963; Mouna 1998; Koçak and Kemal 2010

Penicillidia (*Penicillidia*) *dufouri* (Westwood, 1835)

Falcoz 1924, **Rif**, Caverne d'Hercule; Séguy 1930a, **Rif**, Caverne d'Hercule; Aellen 1952; Aellen 1955, **AP**, Grotte de Sidi Bou Knadel, **MA**, Grotte de Ras el Oued, **AA**, Oulad Teima; Aellen 1963; Theodor 1967, **AP**, Mazagan (*Myotis myotis* (Bourhausen, 1797)); Mouna 1998; Koçak and Kemal 2010

***Phthiridium* Hermann, 1804**

Phthiridium biarticulatum Hermann, 1804

= *Stylidia biarticulata* Herman, in Falcoz 1924: 310; Séguy 1930a: 185

Falcoz 1924, **Rif**, Caverne de Samsa (near Tétouan); Séguy 1930a, **Rif**, Caverne de Samsa; Aellen 1952; Aellen 1955, **MA**, Grotte de Ras el Ma (host: *Rhinolophus ferrumequinum* (Schreber, 1774)), **AA**, Oulad Teima (host: *Rhinolophus ferrumequinum*); Aellen 1963; Theodor 1967 (host: *Rhinolophus ferrumequinum*); Mouna 1998

STREBLIDAE

K. Kettani, G. Graciolli

Number of species: **2**. Expected: 7

Faunistic knowledge of the family in Morocco: poor

Brachytarsinae

***Brachytarsina* Macquart, 1851**

Brachytarsina flavipennis Macquart, 1851

= *Nycteribosca kollari* Frauenfeld, in Falcóz 1924: 226; Aellen 1955: 100

Falcóz 1924, **Rif**, caverne d'Hercule, caverne de Samsa, près Tétouan (host: *Rhinolophus ferrumequinum* (Schreber, 1774)); Séguy 1930a, **Rif**, caverne d'Hercule, caverne de Samsa; Aellen 1955, **AP**, Grotte de Sidi Bou Knadel (hosts: *Rhinolophus mehelyi* (Matschie, 1901) and *Myotis oxygnathus* Monticelli, 1885); Mouna 1998; Koçak and Kemal 2010

***Raymondia* Frauenfeld, 1855**

Raymondia huberi Frauenfeld, 1855

= *Raymondia setosa* Jobling, 1930

Beaucournu et al. 1985, **AA**, Assa (Bas Draa) (host: *Asellia tridens* (E. Geoffroy, 1813))

Muscoidea

ANTHOMYIIDAE

K. Kettani, D.M. Ackland

Number of species: **36**. Expected: Many more, especially in the mountains

Faunistic knowledge of the family in Morocco: poor

Anthomyiinae

***Adia* Robineau-Desvoidy, 1830**

Adia cinerella (Fallén, 1825)

= *Chortophila cinerella* Fallén, in Séguy 1930a: 162

= *Hylemyia cinerella* Fallén, in Séguy 1941d: 18

Séguy 1941d, **AA**, Agadir; Séguy 1930a; Mouna 1998; **AP** (Rabat), **HA** (Marrakech), **AA** (Tifnit (south of Agadir)) – MISR

***Anthomyia* Meigen, 1803**

Anthomyia imbrida Rondani, 1866

Séguy 1930a, **MA**, Meknès; Mouna 1998

Anthomyia liturata (Robineau-Desvoidy, 1830)

= *Hylemyia pullula* Zetterstedt, in Séguy 1930a: 162

Séguy 1930a, **MA**, Ras el Ksar (1900 m), Tameghilt (1700–1800 m), Forêt Tiffert (2000–2200 m); Mouna 1998

Anthomyia quinquemaculata Macquart, 1839

Ebejer et al. 2019, **Rif**, Jebel Lakraâ (Talassemthane, 1541 m), **MA**, 3.5 km S of Azrou (1450 m)

Anthomyia pluvialis (Linnaeus, 1758)

Séguy 1929b; Séguy 1930a, **MA**, Meknès; Michelsen 1980, **AP**, Aïn Diab; Mouna 1998; Ackland 1987, 2001; Pârvu et al. 2006, **AA**, Foum Zguid (Tata); Popescu-Mirceni 2011 – MISR

Anthomyia procellaris Rondani, 1866

Séguy 1929b; Séguy 1930a, **MA**, Meknès, Berkane (1350–1400 m), Tlet n'Rhoir; Mouna 1998

Anthomyia tempestatum Wiedemann, 1830

Michelsen and Báez 1985, **HA**; Ackland 2001; Grabener 2017

***Botanophila* Lioy, 1864**

Botanophila dissecta (Meigen, 1826)

Mouna 1998; **MA** (Meknès) – MISR

Botanophila varicolor (Meigen, 1826)

Ebejer et al. 2019, **MA**, Lac Aguelmane Sidi Ali (2052 m)

***Delia* Robineau-Desvoidy, 1830**

Delia antiqua (Meigen, 1826)

Mouna 1998

Delia coarctata (Fallén, 1825)

Mouna 1998

Delia flavibasis (Stein, 1903)

= *Hylemyia hordeacea* Séguy, in Séguy 1941d: 18

Séguy 1934a, **AP**, Casablanca; Séguy 1936b, **AP**, Rabat; Séguy 1941d, **AA**, Taroudant; Mouna 1998; Ackland 2008

Delia flavogrisea (Ringdahl, 1926)⁵²

Pârvu et al. 2006, **AP**, Merja Zerga; Pârvu and Zaharia 2007; Popescu-Mirceni 2011

Delia planipalpis (Stein, 1898)

= *Chortophila pilipyga* Villeneuve, in Mouna 1998: 85

Mouna 1998; **AP** (Mazagan) – MISR

Delia platura (Meigen, 1826)

= *Chortophila cilicrura* Rondani, in Séguy 1930a: 162

Séguy 1949a, **SA**, Goulimine; Mouna 1998; Singh et al. 2014; Grabener 2017

Delia radicum Linnaeus, 1758

= *Chortophila brassicae* Bouché, in Séguy 1934b: 162, Mouna 1998: 85

Séguy 1934b, **AP**, Rabat; Mouna 1998; Biron et al. 2000, **AP**, Rabat; Andreassen 2007 – MISR

***Fucellia* Robineau-Desvoidy, 1842**

Fucellia maritima (Haliday, 1838)

Séguy 1930a, **Rif**, Agla near Cap Spartel (on *Fucus*); Cassar et al. 2008, **Rif**, Smir lagoon; Mouna 1998

***Hylemya* Robineau-Desvoidy, 1830**

Hylemya vagans (Panzer, 1798)

Mouna 1998 – MISR

***Leucophora* Robineau-Desvoidy, 1830**

Leucophora cinerea Robineau-Desvoidy, 1830

Ebejer et al. 2019, **MA**, 17 km SW of Midelt (Khénifra, 1940 m)

Leucophora dissimilis (Villeneuve, 1920)

Ebejer et al. 2019, **MA**, 17 km NW of Zaida (Khénifra, 1878 m)

***Paregle* Schnabl, 1911**

Paregle audacula (Harris, 1780)

Pârvu and Zaharia 2007

Paregle pilipes (Stein, 1916)

Mouna 1998

⁵² The record of *Delia flavogrisea* needs to be verified. No details or genitalia figures are given. Although it is possible that this species could occur in Morocco, it is not recorded from Spain. Described from northern Sweden, it was recorded by G.C.D. Griffiths from Yukon, northern Canada (1993, Flies of the Nearctic Region Vol. VIII, Part 2, No 10: 1509), where excellent figures of the genitalia are given. It has also been recorded from northern China.

Phorbia* Robineau-Desvoidy, 1830Phorbia fumigata* (Meigen, 1826)= *Phorbia securis* Tiensuu, in Maarouf et al. 1996: 17

Balachowsky and Mesnil 1935; Bleuton 1938; Jourdan 1938; Maarouf and Chemseddine 1995, **AP**, Chaouia, Doukkala, Abda; Maarouf and Chemseddine 1995, **HA**, Chaouia, Doukkala, Abda; Maarouf et al. 1996, **AP**, Safi, Settat, Sidi El Aydi, Jemaa Riah, Berrechid, Médiouna, Mohammédia, Bouznika, Skhirat, Kénitra, Sidi Allal Tazi, Souk Larbaa du Gharb, **MA**, Khernisset, Meknès, Douiyat, Fès, Sefrou, Annaceur, Oulad Saïd, El Aounate, Sidi Bennbur, Zemarnra, Chemmaïa, Jemaa, des Shaïm, Tlet Sidi Bouguedra, Khemisset Chaouïa, Béni Mellal, **HA**, Skhour Rehamna, Ben Guérir, Marrakech, Tamel-lalet, Kelaâ des Sraghna, Oulad Ayad, Afourér, Azilal, El Borouj, Guisser; Lhaloui et al. 1998

Phorbia sepia (Meigen, 1826)Bleuton 1938, **MA**, Fès, Meknès, Taza; Jourdan 1938; Mouna 1998***Subhylemyia* Ringdahl, 1933***Subhylemyia longula* (Fallén, 1824)Mouna 1998; **AP** (Cap Cantin) – MISR

Pegomyinae

Calythea* Schnabl in Schnabl and Dziedzicki 1911Calythea nigricans* (Robineau-Desvoidy, 1830)= *Calythea albicincta* Fallén, in Séguy 1930a: 161Séguy 1930a, **MA**, Meknès, Aïn Leuh; Mouna 1998***Mycophaga* Rondani, 1856***Mycophaga testacea* (Gimmerthal, 1834)Ebejer et al. 2019, **Rif**, Jebel Lakraâ (Talassemiane, 1541 m)***Pegomya* Robineau-Desvoidy, 1830***Pegomya betae* (Curtis, 1847)Rungs 1962, **AP**; Mouna 1998*Pegomya bicolor* (Wiedemann, 1817)Séguy 1934b, **AP**, Rabat; Koçak and Kemal 2010; Pitkin et al. 2011*Pegomya hyoscyami* (Panzer, 1809)Rungs 1962, **AP**; Mouna 1998; **AP** (Rabat) – MISR*Pegomya rufina* (Fallén, 1825)

Mouna 1998

Pegomya testacea (De Geer, 1776)= *Pegomya silacea* Meigen, in Mouna 1998: 85Séguy 1930a, **MA**, Forêt Tiffert (2000–2200 m); Mouna 1998*Pegomya solennis* (Meigen, 1826)= *Pegomyia nigritarsis* Fallén, in Séguy 1935a: 119Séguy 1935a, **AA**, Oued Draa (Taffagount); Rungs 1962; Mouna 1998

Pegomya terminalis Rondani, 1866

Ebejer et al. 2019, **Rif**, Adrou (556 m), Jebel Lakraâ (Talassemthane, 1541 m)

Pegomya winthemi (Meigen, 1826)

Mouna 1998

***Pegoplata* Schnabl & Dziedzicki, 1911**

Pegoplata annulata (Pandellé, 1899)

= *Pegoplata virginea* auctt, not Meigen

AP (Rabat) – MISR

FANNIIDAE

K. Kettani, A.C. Pont

Number of species: **10**. Expected: 17

Faunistic knowledge of the family in Morocco: poor

***Fannia* Robineau-Desvoidy, 1830**

Fannia canicularis (Linnaeus, 1761)

Becker and Stein 1913, **Rif**, Tanger; Charrier 1927; Séguy 1930a, **HA**, Tenfecht;

Séguy 1932a; Séguy 1941a; Séguy 1941d, **HA**; Séguy 1953a, **AP**, Rabat; Pont

1986a; Mouna 1998; Pont pers. comm., **MA**, Azrou; **AP** (Dradek) – MISR

Fannia cothurnata (Loew, 1873)⁵³

Mouna 1998

Fannia krimensis Ringdahl, 1934

Pont 1983, **HA**, Jebel Ayachi; Pont 1986a; Mouna 1998

Fannia lepida (Wiedemann, 1817)

Pont pers. comm.

Fannia leucosticta (Meigen, 1838)

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **MA**; Pont 1986a; Mouna 1998

Fannia monilis (Haliday, 1838)

Ebejer et al. 2019, **Rif**, Jebel Lakraâ (Talassemthane, 1541 m), Dardara (484 m)

Fannia norvegica Ringdahl, 1934

Pont 1986a; Pont pers. comm., **HA**, Jebel Ayachi

Fannia pallidibasis Pont, 1983

Pont 1983, **HA**, Jebel Ayachi; Mouna 1998

Fannia scalaris (Fabricius, 1794)

Charrier 1927, **Rif**, Tanger; Séguy 1930a; Séguy 1941a, **HA**; Séguy 1953a, **AP**, Rabat; Pont 1986a; Mouna 1998; **Rif** (Tanger): Caverne d'Hercule (Pont pers. comm.) – MHNP

⁵³ We do not have any knowledge of *Fannia cothurnata* in Morocco. Identification is difficult, but it could be correct.

Fannia sociella (Zetterstedt, 1845)⁵⁴

Mouna 1998

MUSCIDAE

K. Kettani, A.C. Pont

Number of species: **115**. Expected: 140

Faunistic knowledge of the family in Morocco: moderate

Atherigoninae

Atherigona Rondani, 1856

Atherigona humeralis (Wiedemann, 1830)

Pont pers. comm., **AP**, Casablanca

Atherigona pulla (Wiedemann, 1830)

Pont 1986b; Pont pers. comm., **AP**, Larache, Rabat, **HA**, Asni, **AA**, Agadir, Taroudant

Atherigona soccata Rondani, 1871

= *Atherigona varia* (Meigen, 1826) (misidentifications of authors) in Séguy 1930a: 159
Bléton and Fieuzet 1943, **MA**, Fès; Séguy 1953a, **AP**, Rabat, Sidi Yahia du Gharb; Mouna 1998; Pont 1986b

Atherigona varia (Meigen, 1826)

= *Atherigona quadripunctata* Rossi, in Séguy 1949a: 159

Séguy 1930a, **Rif**, Tanger; Séguy 1941d; Séguy 1949a, **AA**, Akka, Alnif; Bléton and Fieuzet 1943, **MA**, Meknès, Gharb, Fouarat; Séguy 1953a, **AP**, Sidi Yahia du Gharb, Rabat; Pont 1986b; Mouna 1998; Pont pers. comm., **Rif**, Meloussa, Tanger, **AP**, Larache, Rabat, **HA**, Jebel Ayachi, **AA**, Akka

Atherigona (Acritochaeta) yorki Deeming, 1971

Pont 1986b, 1991a; Dike 1990; Pont pers. comm., **AP**, Rabat

Azeliinae

Azeliini

Azelia Robineau-Desvoidy, 1830

Azelia parva Rondani, 1866

Michelsen pers. comm., **Rif**, Ouezzane

Hydrotaea Robineau-Desvoidy, 1830

Hydrotaea aenescens (Wiedemann, 1830)

Morocco, first record 1989; Pont et al. 2007

Hydrotaea armipes (Fallén, 1825)

Pont 1986b; Pont pers. comm., **MA**, Azrou, **HA**, Jebel Ayachi

⁵⁴ We do not have any knowledge of *Fannia sociella* in Morocco. Its occurrence there seems doubtful.

Hydrotaea capensis (Wiedemann, 1818)

= *Ophyra anthrax* (Meigen, 1826), in Séguy 1941d: 20

Séguy 1934b, **AP**, Chellah; Séguy 1941d, **AA**, Agadir; Pont 1986b; Hernández-Moreno and Peris 1989, **Rif**, Tanger; Mouna 1998; Turchetto et al. 2003; Pont pers. comm., **HA**, Jebel Ayachi; **Rif** (Environ de Tanger (Pont pers. comm.)) – MHNP

Hydrotaea cinerea Robineau-Desvoidy, 1830

Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi

Hydrotaea dentipes (Fabricius, 1805)

Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi

Hydrotaea floccosa Macquart, 1835

= *Hydrotaea armipes* (Fallén, 1825) (misidentifications of authors) in Charrier 1927: 620

Charrier 1927, **Rif**, Tanger; Pont 1986b; Pont pers. comm., **MA**, Azrou, **HA**, Jebel Ayachi

Hydrotaea glabricula (Fallén, 1825)

Pont 1986b; Pont pers. comm., **AP**, Forêt Maâmora

Hydrotaea ignava (Harris, 1780)

= *Ophyra leucostoma* (Wiedemann, 1817), in Séguy 1953a: 87

Séguy 1953a, **HA**, Tadla; Pont 1986b; Hernández-Moreno and Peris 1989, **Rif**, Tanger; Pont pers. comm., **AP**, Casablanca

Hydrotaea pellucens Portschinsky, 1879

Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi

Hydrotaea tuberculata Rondani, 1866

Michelsen pers. comm., **AP**, Rabat

Hydrotaea velutina Robineau-Desvoidy, 1830

Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi

***Thricops* Rondani, 1856**

Thricops simplex (Wiedemann, 1817)

Pont 1986b, 1991b; Pont pers. comm., **HA**, Jebel Ayachi

Reinwardtiini

***Muscina* Robineau-Desvoidy, 1830**

Muscina levida (Harris, 1780)

= *Muscina assimilis* (Fallén, 1823)

Mouna 1998 – MHNP (no locality, on *Boletus nigrescens* (Pont pers. comm.)); **AP** (Rabat) – MISR

Muscina prolapsa (Harris, 1780)

= *Muscina pabulorum* (Fallén, 1817)

Mouna 1998; Michelsen pers. comm., **AP**, Rabat, Larache; **AP** (Sidi Yahia) – MISR

Muscina stabulans (Fallén, 1817)

Becker and Stein 1913, **Rif**, Tanger; Charrier 1927, **Rif**, Tanger; Séguy 1930a, **AP**, Rabat, Mogador, **MA**, Meknès, **HA**, Aguerd El Had, Souss; Séguy 1932,

HA, Taroudant; Séguy 1934b, **AP**, Rabat; Séguy 1953a, **AP**, Rabat, Salé, Forêt Maâmora, Salé; Pont 1986b; Mouna 1998; Pont pers. comm., **AP**, Casablanca, **MA**, El Kebab, **HA**, Jebel Ayachi; **AP** (Casablanca, Rabat (Pont pers. comm.)) – MHNP; MISR

Coenosiinae

Coenosiini

***Coenosia* Meigen, 1826**

Coenosia antennata (Zetterstedt, 1849)

Michelsen pers. comm., **AP**, Larache

Coenosia atra Meigen, 1830

Pont 1986b; Barták et al. 2004; Barták and Kubik 2005; Pont pers. comm., **HA**, Jebel Ayachi

Coenosia attenuata Stein, 1903

Pont 1986b; Pont pers. comm., **EM**, Figuig

Coenosia humilis Meigen, 1826

Pont 1986b; Pont pers. comm., **EM**, Figuig, **HA**, Imlil, Asni, **AA**, Agadir

Coenosia mixta Schnabl, 1911

Pont 1986b

Coenosia nevadensis Lyneborg, 1970

Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi

Coenosia pedella (Fallén, 1825)

= *Coenosia decipiens* Meigen 1826 (certainly a misidentification) in Charrier 1927: 620

Charrier 1927, **Rif**, Tanger

Coenosia praetexta Pandellé, 1899

Michelsen pers. comm., **AP**, Larache, Rabat

Coenosia pumila (Fallén, 1825)⁵⁵

Pont 1986b; Mouna 1998; Gregor et al. 2002

Coenosia testacea (Robineau-Desvoidy, 1830)

Pont 1986b; Pont pers. comm., **MA**, Ifrane, **HA**, Jebel Ayachi

Coenosia tigrina (Fabricius, 1775)

Séguy 1930a, **AP**, Rabat, **MA**, Meknès; Pont 1986b; Mouna 1998; Pont pers. comm., **MA**, Ifrane, **HA**, Jebel Ayachi; **MA** (Ifrane) – MISR

***Lispocephala* Pokorny, 1893**

Lispocephala brachialis (Rondani, 1877)

Pont 1986b; Gregor et al. 2002; Barták and Kubik 2005; Pont pers. comm., **HA**, Jebel Ayachi

Lispocephala mikii (Strobl, 1893)

Pont 1986b; Pont pers. comm., **EM**, Figuig, **HA**, Jebel Ayachi, **AA**, Agadir

⁵⁵ *Coenosia pumila* requires verification. It is not known from Spain and is distributed in temperate areas of Europe. It may be found in the High Atlas Mts, but specimens from there require confirmation.

Lispocephala unguolata (Rondani, 1866)

Ackland and Pont 1966, **HA**, Jebel Ayachi; Pont 1986b

Orchisia Rondani, 1877

Orchisia costata (Meigen, 1826)

Charrier 1927, **Rif**, Tanger; Pont 1986b

Schoenomyza Haliday, 1833

Schoenomyza litorella (Fallén, 1823)

Séguy 1941a, **HA**, Tachdirt (Toubkal, 2500 m); Pont 1986b; Mouna 1998;
Pont pers. comm., **EM**, Figuig, **HA**, Asni, Imlil, Jebel Ayachi

Limnophorini

Limnophora Robineau-Desvoidy, 1830

Limnophora bipunctata Stein, 1908

Pont 1986b; Pont pers. comm., **EM**, Figuig

Limnophora flavitarsis Stein, 1908

Pont pers. comm., **EM**, Figuig, **HA**, Jebel Ayachi

Limnophora mediterranea Pont, 2012

Pont pers. comm., **HA**, Jebel Ayachi

Limnophora obsignata (Rondani, 1866)

Séguy 1930a, **MA**, Aïn Leuh, **HA**, Aguerd El Had, Souss (Talekjount); Pont 1986b; Dakki 1997; Mouna 1998; Pont pers. comm., **MA**, Ifrane, **HA**, Jebel Ayachi, **AA**, Agadir

Limnophora olympiae Lyneborg, 1965

Pont 1986b; Pont et al. 2012a; Pont pers. comm., **HA**, Jebel Ayachi

Limnophora pandellei Séguy, 1923

Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi

Limnophora pollinifrons Stein, 1916

Pont 1986b; Pont et al. 2012a; Pont pers. comm., **MA**, Aïn El Orma

Limnophora riparia (Fallén 1824)

= *Melanochelia riparia* Fallén, in Séguy 1930a: 160

Séguy 1930a, **AA**, Souss (Tenfecht); Vaillant 1956b, **HA**, Cascade Siroua, Lac Tamhda (Anremer), Sidi Chamarouch; Pont 1986b; Mouna 1998

Limnophora rufimana (Strobl, 1893)

Séguy 1930a, **MA**, Aïn Leuh; Pont 1986b; Pont pers. comm., **EM**, Figuig, **HA**, Jebel Ayachi

Limnophora tigrina (Am Stein, 1860)

Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi

Lispe Latreille, 1797

Lispe assimilis Wiedemann, 1824

= *Lispe inexpectata* Canzoneri & Meneghini, 1966

Canzoneri and Meneghini 1966, **MA**, Oued Fès (Taza); Pont 1986b; Vikhrev 2012b, **AP**, Essaouira, **HA**, Marrakech, **SA**, Tan-Tan

Lispe apicalis Mik, 1869

Canzoneri and Meneghini 1966, **MA**, Oued Sebou, **EM**, Guercif (Oued Moulouya); Canzoneri and Meneghini 1972, **MA**, Taza, Oued Fès; Pont 1986b; Koçak and Kemal 2010

Lispe bengalensis (Robineau-Desvoidy, 1830)

= *Lispe berlandi* Séguy, in Séguy 1940: 341

Séguy 1940, **AA**, Rio de Oro (Oued Eddahab) (type locality of *berlandi*)

Lispe caesia Meigen, 1826

= *Lispe microchaeta* Séguy, in Séguy 1940: 342

Séguy 1940, **AA**, Rio de Oro (Oued Eddahab) (type locality of *microchaeta*); Canzoneri and Meneghini 1966, **AP**, Fedhala (Oued Nefifikh), Saline di Sète; Pont 1986b; Mouna 1998; Koçak and Kemal 2010; Vikhrev et al. 2016, **AP**, Oualidia lagoon, Essaouira, **SA**, Tan-Tan (salt lagoon); **AP** (Chellah) – MISR; ZMUM

Lispe candicans Kowarz, 1892

Séguy 1940, **AA**, Rio de Oro (Villa Cisneros)

Lispe cilitarsis Loew, 1856

Vikhrev 2012b, **SA**, Tan-Tan province

Lispe draperi Séguy, 1930

Canzoneri and Meneghini 1966, **MA**, Azrou, Aguelmane, Fès (Oued Sebou); Vikhrev 2011a, **AP**, Essaouira, **HA**, Oued N'fis (east of Marrakech)

Lispe halophora Becker, 1903

Vikhrev pers. comm., **SA**, Tan-Tan province

Lispe kowarzi Becker, 1903

Vikhrev 2012c, **AP**, Essaouira

Lispe loewi Ringdahl, 1922

= *Lispe litorea* Fallén, 1825 (misidentification of authors) in Séguy 1930a: 160

Séguy 1930a, **AP**, saline mud in Mediterranean region; Canzoneri and Meneghini 1966, **AP**, Fedhala; Pont 1986b; Dakki 1997; Mouna 1998

Lispe marina Becker, 1913

Michelsen pers. comm., **AP**, Larache

Lispe melaleuca Loew, 1847

Canzoneri and Meneghini 1966, **MA**, Azrou (Aguelmane); Pont 1986b, 1991b

Lispe modesta Stein, 1913

Vikhrev 2012b, **AP**, Essaouira, **HA**, Marrakech, **SA**, Tan-Tan

Lispe nana Macquart, 1835

Canzoneri and Meneghini 1966, **MA**, Taza (Oued Fès), Fès (Oued Sebou), Azrou (Aguelmane), **EM**, Guercif (Oued Moulouya); Pont 1986b; Mouna 1998; Pont pers. comm., **MA**, Aïn el Orma, **EM**, Figuig, **HA**, Jebel Ayachi; **Rif** (Oued Laou dunes), **AP** (Rabat) – MISR

Lispe nivalis Wiedemann, 1830

Canzoneri and Meneghini 1966, **MA**, Taza (Oued Fès); Pont 1986b, 1991; Vikhrev 2012c, **AP**, Essaouira, **HA**, Ouarzazate province, **SA**, Tan-Tan province; Pont pers. comm., **MA**, Aïn El Orma

Lispe pectinipes Becker, 1903

= *Lispa mixticia* Séguy, in Séguy 1941d: 19

Séguy 1941d, **HA**, Taroudant (type locality of *mixticia*); Pont 1986b; Mouna 1998; Kirk-Spriggs and McGregor 2009; Vikhrev 2011b, **AP**, Essaouira; Pont pers. comm., **HA**, Jebel Ayachi

Lispe pygmaea Fallén, 1825

Canzoneri and Meneghini 1966, **MA**, Azrou (Aguelmane); Pont 1986b; Vikhrev 2012a, **AP**, Essaouira

Lispe rigida Becker, 1903

Canzoneri and Meneghini 1966, **MA**, Taza (Oued Fès); Pont 1986b, 1991; Vikhrev 2012c, **HA**, Ouarzazate

Lispe scalaris Loew, 1847

= *Lispe maroccana* Canzoneri & Meneghini, 1966 (as *scalaris* ssp.)

= *Lispe persica* Becker, 1904 in Kirk-Spriggs and McGregor 2009

Canzoneri and Meneghini 1966, **AP**, Fedhala, Dielfa (Oued Tadmidi), **EM**, Guercif (Oued Moulouya), **MA**, Fès (Oued Sebou); Pont 1986b; Kirk-Spriggs and McGregor 2009; Vikhrev 2012a, **HA**, Ouarzazate province

Lispe tentaculata (De Geer, 1776)

Séguy 1930a, **HA**, Kasba Taguendaft (Goundafa), Skoutana (Arround); Séguy 1941a, **HA**, Imi-n'Ouaka (1500 m); Pont 1986b; Dakki 1997; Mouna 1998; Kirk-Spriggs and McGregor 2009; Pont pers. comm., **MA**, Aïn el Orma, **EM**, Figuig, **HA**, Jebel Ayachi; **AP** (Rabat), **HA** (Tizi-n'Tichka) – MISR

Muscinae

Muscini

Dasyphora* Robineau-Desvoidy, 1830Dasyphora albofasciata* (Macquart, 1839)

= *Dasiphora saltuum* Rondani, 1862

Pont 1986b; Mouna 1998; Pont pers. comm., **HA**, Jebel Ayachi

Dasyphora penicillata (Egger, 1856)

Pont 1986b; Koçak and Kemal 2010; Pont pers. comm., **HA**, Jebel Ayachi

Dasyphora cyanella (Meigen, 1826)

Peris and Llorente 1963, **Rif**, Tanger; Mouna 1998

Morellia* Robineau-Desvoidy, 1830Morellia asetosa* Baranov, 1925

= *Morellia simplex* (Loew, 1857) (misidentification of authors) in Peris and Llorente 1963, **Rif**, Tanger; Pont 1986b⁵⁶

Musca* Linnaeus, 1758Musca autumnalis* De Geer, 1776

⁵⁶ *Morellia simplex* is almost certainly a misidentification of *Morellia asetosa* Baranov, 1925, which replaces it in the south and south-east of the West Palearctic Region.

= *Musca corvina* Fabricius, 1781 in Séguy 1930a: 156

Charrier 1927, **Rif**, Tanger; Séguy 1930a, **AP**, Rabat, **MA**, Oued Korifla, Meknès; Pont 1986b; Mouna 1998; Pont pers. comm., **MA**, Azrou, **HA**, Jebel Ayachi; **MA** (Volubilis), **AA** (Tifnit) – MISR

Musca biseta Hough, 1898

Pont 1986b; Pont pers. comm., **AP**, Temara, **MA**, Timhadit, Meknès, **EM**, near Figuig

Musca domestica Linnaeus, 1758

Charrier 1927, **Rif**, Tanger; Séguy 1930a, 1932, 1934b, **AP**, Casablanca; Séguy 1934c, **AP**, Casablanca; Séguy 1941a, **HA**; Peris and Llorente 1963, **Rif**, Tanger, Melilla, Bab Taza, El Ajmas, Yebala; Pont 1986b; Mouna 1998; Pârvu et al. 2006, **AA**, Tiggane Tata; Popescu-Mirceni 2011; Pont pers. comm., **AP**, Temara, **MA**, Timhadit, Orionane, Lixus, Meknès, **HA**, Jebel Ayachi; Grabener 2017; **HA** (Jebel Tachdirt, 3100 m, Tachdirt (Bords Imminen), 2400–2600 m, Kasba Taguendaft (Goundafa), Andjera (Pont pers. comm.)) – MHNP

Musca larvipara Portschinsky, 1910

Peris and Llorente 1963, **Rif**, Tanger; Pont 1986b; Pont pers. comm., **AP**, Forêt Maâmora

Musca osiris Wiedemann, 1830

= *Musca vitripennis* Meigen, 1826 (misidentifications of authors) in Séguy 1930a: 157
Séguy 1941d, **AA**, Agadir; Pont 1986b

Musca sorbens Wiedemann, 1830

= *Musca angustifrons* Thomson, 1869 (misidentification of authors) in Séguy 1930a: 156, 1940: 245, 1953a: 88
Séguy 1930a, **MA**, Oued Korifla, **HA**, Talingoult (Goundafa), Souss; Séguy 1940, **AA**, Rio de Oro (Villa Cisneros); Séguy 1941d, **AA**, Agadir; Séguy 1949a, **AA**, from Foug Zguid to Zagora; Saccà 1952; Séguy 1953a, **AP**, Rabat; Peris and Llorente 1963; Pont 1986b, **Rif**, Melilla, Tanger, **AP**, Mogador; Mouna 1998; Koçak and Kemal 2010; Pont pers. comm., **MA**, Timhadit, **HA**; Grabener 2017 – MISR

Musca tempestiva Fallén, 1817

Séguy 1941d; Pont 1986b; Pont pers. comm., **AP**, Forêt Maâmora, **HA**, Asni

Musca vitripennis Meigen, 1926

= *Plaxemyia vitripennis* Meigen, 1826 in Becker and Stein 1913: 91

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **MA**, Ras el Ksar, Aïn Leuh, **HA**, Tinmel (Goundafa), Arround (Skoutana); Séguy 1941d, **AA**, Agadir; Peris and Llorent 1963, **Rif**, Tanger, Melilla, **AP**, Mogador; Pont 1986b; Mouna 1998; Pont pers. comm., **HA**, Jebel Ayachi; **Rif** (environs de Tanger, Sart. route de Spartel (Pont pers. comm.)) – MHNP; **AP** (Cap Cantin, Dradek), **MA** (Azrou) – MISR

***Neomyia* Walker, 1859**

Neomyia cornicina (Fabricius, 1781)

= *Cryptolucilia caesarion* (Meigen, 1826) in Séguy 1930a: 156

Becker and Stein 1913, **Rif**, Tanger; Charrier 1927, **Rif**, Tanger; Séguy 1930a, **Rif**, Tanger (Oued Judios), **AP**, Rabat, **MA**, M'Rirt, Aïn Leuh, Tizi-s'Tkrine, Forêt Zaers, Forêt Tiffert, **HA**, Arround (Skoutana), Tachdirt; Séguy 1941d (very common); Peris and Llorente 1963, **Rif**, Tanger, **AP**, Mogador, Tzalatza, Reisana, Desembocadura del Lixus; Pont 1986b; Dakki 1997; Mouna 1998; Pont pers. comm., **MA**, Azrou, **HA**, Jebel Ayachi – MISR

Neomyia viridescens (Robineau-Desvoidy, 1830)

= *Orthellia cornicina* (Fabricius, 1781) (misidentifications of authors)

Charrier 1927, **Rif**, Tanger; Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi

***Polietes* Rondani, 1866**

Polietes meridionalis Peris & Llorente, 1963

Peris and Llorente 1963, **Rif**, Tanger; Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi

***Pyrellia* Robineau-Desvoidy, 1830**

Pyrellia vivida Robineau-Desvoidy, 1830

= *Pyrellia cadaverina* (Linnaeus, 1758) (misidentifications of authors) in Charrier 1927: 620; Séguy 1930a: 156; Peris and Llorente 1963: 252

= *Pyrellia serena* (Meigen, 1826) (misidentification of authors) in Charrier 1927: 620

Charrier 1927, **Rif**, Tanger; Séguy 1930a, **MA**, Aïn Leuh; Peris and Llorente 1963, **Rif**, Tanger; Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi

Stomoxyini

***Haematobia* Le Peletier & Serville, 1828**

Haematobia irritans (Linnaeus, 1758)

= *Lyperosia irritans* (Linnaeus, 1758) in Séguy 1930a: 157

Séguy 1930a, **MA**, Meknès; Pont 1986b; Mouna 1998

***Stomoxys* Geoffroy, 1762**

Stomoxys calcitrans (Linnaeus, 1758)

Charrier 1927, **Rif**, Tanger; Séguy 1930a; Séguy 1941d; Peris 1951, **Rif**, Tanger; Pont 1986b; Mouna 1998; Pârvu et al. 2006, **AA**, Tiggane Tata; Dsouli 2009; Popescu-Mirceni 2011; Pont pers. comm., **MA**, Meknès, Timhadit, Azrou, Sidi Mjber, Neguerett, Tazekka, **HA**, Jebel Ayachi, El Kebab, **AA**, Figuig; **HA** (Haute Réghaya (Pont pers. comm.)) – MHNP; **AP** (Rabat), **MA** (Volubilis), **HA** – MISR

Mydaeinae

***Graphomya* Robineau-Desvoidy, 1830**

Graphomya maculata (Scopoli, 1763)

Séguy 1930a, **MA**, Forêt Zaers, Aïn Leuh; Pont 1986b; Mouna 1998; Pont pers. comm., **HA**, Jebel Ayachi; **MA** (Volubilis) – MISR

Gymnodia* Robineau-Desvoidy, 1863Gymnodia eremophila* (Brauer & Bergenstamm, 1894)Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi*Gymnodia polystigma* (Meigen, 1826)= *Limnophora polystigma* (Meigen, 1826)= *Brontaea polystigma* (Meigen, 1826)Mouna 1998; **AP** (Rabat) – MISR*Gymnodia genurufa* (Pandellé, 1899)Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi*Gymnodia tonitrui* (Wiedemann, 1824)= *Limnophora tonitrui* (Wiedemann, 1824)= *Brontaea tonitrui* (Wiedemann, 1824)Séguy 1949a, **AA**, Tata; Saccà 1952, **AP**, Rabat; Pont 1986b; Mouna 1998***Hebecnema* Schnabl, 1889***Hebecnema fumosa* (Meigen, 1826)Séguy 1930a, **AP**, Casablanca; Pont 1986b; Mouna 1998; Pont pers. comm., **MA**, Azrou, **HA**, Jebel Ayachi; **Rif** (Tanger), **AP** (Mogador (Pont pers. comm.)) – MHNP*Hebecnema nigra* (Robineau-Desvoidy, 1830)= *Hebecnema vespertina* (Fallén, 1823) (misidentifications of authors) in Séguy 1930a: 159Séguy 1930a, **AP**, Casablanca; Pont 1986b; Mouna 1998; Pont pers. comm., **HA**, Jebel Ayachi*Hebecnema umbratica* (Meigen, 1826)

Pont 1986b

Myospila* Rondani, 1856Myospila meditabunda* (Fabricius, 1781)Séguy 1941d, **AA**, Agadir; Pont 1970; Pont 1986b; Mouna 1998; Pont pers. comm., **HA**, Jebel Ayachi; **AP** (Cap Cantin) – MISR

Phaoniinae

Helina* Robineau-Desvoidy, 1830Helina clara* (Meigen, 1826)= *Mydaea clara* (Meigen, 1826) in Séguy 1930a: 159Becker and Stein 1913, **Rif**, Tanger; Charrier 1927, **Rif**, Tanger; Séguy 1930a, **AP**, Rabat; Pont 1986b; Mouna 1998; **AP** (Rabat) – MISR*Helina czernyi* Lyneborg, 1970Michelsen pers. comm., **Rif**, Chefchaouen, Ouezzane, **MA**, Azrou, **HA**, Asni*Helina evecta* (Harris, 1780)= *Mydaea lucorum* (Fallén, 1823) in Séguy 1930a: 159Séguy 1930a; Werner 1938, **EM**, Oudjda-Berguent; Pont 1986b; Mouna 1998; Pont pers. comm., **MA**, Ifrane, **HA**, Jebel Ayachi

Helina nevadensis Lyneborg, 1970

Pont 1986b; Pont pers. comm., **Rif**, Talassemtane, **HA**, Jebel Ayachi

Helina parcepilosa (Stein, 1907)

Michelsen pers. comm., **AP**, Rabat, **HA**, Tinerhir

Helina quadrum (Fabricius, 1805)

= *Mydaea quadrum* “Fallén” in Séguy 1930a: 159

Séguy 1930a, **AP**, Rabat; Pont, 1986b; Mouna 1998

Helina reversio (Harris, 1780)

Pont 1986b; Pont pers. comm., **MA**, Azrou, **HA**, Jebel Ayachi; **MA** (Forêt Timelilt, 1650–1900 m (Pont pers. comm.)) – MNHN

Helina richardi Pont, 2012

Pont 2012b, **Rif**, Ras el Ma, **MA**, Azrou, **HA**, Jebel Ayachi

Helina sexmaculata (Preyssler, 1791)

= *Mydaea uliginosa* (Fallén, 1825)

Mouna 1998; Grabener 2017; **MA** (Aguelmane Azigza) – MISR

Helina vockerothi Lyneborg, 1970

Michelsen pers. comm., **HA**, Tizi-n’Test (2100 m), Asni

Phaonia Robineau-Desvoidy, 1830

Phaonia cincta (Zetterstedt, 1846)⁵⁷

Charrier 1927, **Rif**, Tanger; Pont 1986b (record queried); Koçak and Kemal 2010

Phaonia errans (Meigen, 1826)

Mouna 1998; Michelsen pers. comm., **MA**, Azrou; **AP** (Chellah), **MA** (Ifrane) – MISR

Phaonia exoleta (Meigen, 1826)

Michelsen pers. comm., **AP**, Larache

Phaonia mediterranea Hennig, 1963

Pont 1973, **HA**, Jebel Ayachi; Pont 1986b; Mouna 1998; Gregor et al. 2002

Phaonia rufipalpis (Macquart, 1835)

Michelsen pers. comm., **Rif**, Ouezzane

Phaonia scutellata (Zetterstedt, 1845)

Michelsen pers. comm., **Rif**, Ouezzane, **HA**, Asni, Tizi-n’Test, **AA**, Aoulouz

Phaonia subventa (Harris, 1780)

Vikhrev and Erofeeva 2018, **HA**, Oukaimeden (2000 m); **Rif** (environs de Tanger (Pont pers. comm.)) – MHNP

Phaonia trimaculata (Bouché, 1834)

Séguy 1930a, **AP**, Casablanca; Séguy 1934b, **AP**, Maâmora; Séguy 1953a, **AP**, Port Lyautey, Maâmora, Rabat; Pont 1986b; Dakki 1997; Mouna 1998; Pont pers. comm., **AP**, Forêt Maâmora, **HA**, Jebel Ayachi; **AP** (Rabat) – MISR

Phaonia tuguriorum (Scopoli, 1763)

= *Phaonia signata* (Meigen, 1826) in Séguy 1930a: 158

⁵⁷ *Phaonia cincta* requires verification. It is known from Spain and from the Middle East, and its occurrence in Morocco is possible.

- Séguy 1930a, **MA**, Forêt Timlilt; Pont 1986b; Dakki 1997; Mouna 1998;
 Pont pers. comm., **HA**, Jebel Ayachi
Phaonia valida (Harris, 1780)
 = *Phaonia erratica* (Fallén, 1825) (misidentifications of authors) in Séguy 1953a: 87
 Séguy 1953a, **MA**, Ifrane; Pont 1986b; Pont pers. comm., **HA**, Jebel Ayachi;
MA (Ifrane (Pont pers. comm.)) – MHNP
Phaonia sp. near *szelenyii* Mihályi, 1974
HA (Haute Réghaya (Pont pers. comm.)) – MHNP

SCATHOPHAGIDAE

K. Kettani

Number of species: **3**. Expected: 4

Faunistic knowledge of the family in Morocco: poor

Scathophaginae

***Norellia* Robineau-Desvoidy, 1830**

Norellia tipularia (Fabricius, 1794)

Ebejer et al. 2019, **Rif**, Dardara (730 m)

***Scathophaga* Meigen, 1803**

Scathophaga stercoraria (Linnaeus, 1758)

= *Scathophaga merdaria* Fabricius, 1794, in Séguy 1930a: 163

Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **Rif**, Tanger, **MA**, Meknès;
 Mouna 1998; Koçak and Kemal 2010; **AP** (Azemour, Oued Yakem, Cap Can-
 tin) – MISR

Scathophaga lutaria (Fabricius, 1794)

Ebejer et al. 2019, **Rif**, Talassemrane (1554 m), Jebel Lakraâ (1541 m)

Oestroidea

CALLIPHORIDAE

K. Kettani, K. Rognes

Number of species: **8**. Expected: 10

Faunistic knowledge of the family in Morocco: moderate

Calliphorinae

***Bellardia* Robineau-Desvoidy, 1863**

Bellardia maroccana (Villeneuve, 1941)

= *Onesia maroccana* Villeneuve, in Villeneuve 1932: 123

Villeneuve 1932b; Schumann 1974, **AP**, Aïn Diab (Casablanca); Verves
 2004; Koçak and Kemal 2010

Bellardia mascariensis (Villeneuve, 1926)

Schumann 1974, **HA**, Marrakech; Verves 2004; Koçak and Kemal 2010

***Calliphora* Robineau-Desvoidy, 1863**

Calliphora vicina Robineau-Desvoidy, 1830

= *Calliphora erythrocephala* Meigen, in Séguy 1930a: 154

Séguy 1930a; Maurice 1947, **Rif**, Tanger; **AP** (Casablanca, Rabat), **MA** (Azrou, Ifrane) – MNHN, MISR

Calliphora vomitoria (Linnaeus, 1758)

Séguy 1930a; Maurice 1947, **Rif**, Tanger; Kurahashi 1971; Kurahashi and Magpayo 2000; Mouna 1998; **AP** (Rabat), **HA** – MISR, NHMD

Chrysomyinae

***Chrysomya* Robineau-Desvoidy, 1863**

Chrysomya albiceps (Wiedemann, 1819)

Maurice 1947; Séguy 1949a, **HA**, Alnif; Gonzales-Mora and Peris 1988; Mouna 1998; Verves 2003; Grabener 2017; Dawah et al. 2019; **EM** (Oujda) – MISR, **AP** (Rabat) – MNHN

Luciliinae

***Lucilia* Robineau-Desvoidy, 1863**

Lucilia sericata (Meigen, 1824)

Séguy 1930a, **Rif**, Tanger, **EM**, Berkane (1350–1400 m), **MA**, Meknès, Berrechid, **HA**, Tizi-n'Test, Goundafa (Jebel Imdress, 2000–2450 m); Séguy 1953a, **AP**, Rabat; Mouna 1998; Grabener 2017; **AP** (Dradek, Salé), **MA** (Azrou, Volubilis) – MISR, **AP** (Temara), **MA** (Ifrane) – MNHN

Melanomyinae

***Melinda* Robineau-Desvoidy, 1863**

Melinda gentilis (Robineau-Desvoidy, 1830)

MA (Ifrane) – MNHN

Melinda viridicyanea (Robineau-Desvoidy, 1830)

MA (Ifrane) – MNHN

OESTRIDAE

K. Kettani, T. Pape

Number of species: **10**. Expected: 12

Faunistic knowledge of the family in Morocco: moderate

Gastrophilinae

***Gasterophilus* Leach, 1817**

Gasterophilus flavipes (Olivier, 1811)

Séguy 1928d, **EM**, Haute Moulouya; Séguy 1930a, **EM**, Itzer (Haute Moulouya); Mouna 1998; Li et al. 2019

Gasterophilus haemorrhoidalis (Linnaeus, 1758)

Maurice 1947; Mouna 1998; **AP** (Rabat) – MISR

Gasterophilus intestinalis (De Geer, 1776)

Séguy 1930a; Mouna 1998; Pandey et al. 1992

Gasterophilus nasalis (Linnaeus, 1758)

= *Gasterophilus veterinus* Clark, in Mouna 1998: 85

Maurice 1947; Pandey et al. 1992; Mouna 1998

Gasterophilus pecorum (Fabricius, 1794)

Séguy 1930a; Mouna 1998

Hypodermatinae

***Hypoderma* Rondani, 1856**

Hypoderma bovis (Linnaeus, 1758)

Maurice 1947; Mouna 1998

Hypoderma lineatum (De Villers, 1789)

Dakkok et al. 1978, **MA**, Benslimane; Mouna 1998

Oestrinae

***Cephalopina* Strand, 1928**

Cephalopina titillator (Clark, 1797)

= *Cephalopsis titillator* Clark, in Séguy 1930a: 139

Séguy 1930a, **Sub-SA** (camel breeding region); Mouna 1998

***Oestrus* Linnaeus, 1758**

Oestrus ovis Linnaeus, 1761

Séguy 1930a, **AP**, Rabat (sheep breeding area), **HA**, Marrakech, Bou Tazzert;

Maurice 1947; Mouna 1998 – MISR

***Rhinoestrus* Brauer, 1886**

Rhinoestrus purpureus (Brauer, 1858)

Maurice 1947; Mouna 1998

POLLENIIDAE

K. Kettani, K. Rognes

Number of species: **12**. Expected: 15

Faunistic knowledge of the family in Morocco: moderate

***Pollenia* Fabricius, 1794**

Pollenia amentaria (Scopoli, 1763)

Séguy 1949a, **AA**, Foug-el-Hassan; Séguy 1953a, **MA**, Sidi Allal Tazi; Mouna 1998; Pârvu et al. 2006, **SA**, Foug Zghouig; Popescu-Mirceni 2011; Gisondi et al. 2020

Pollenia bicolor Robineau-Desvoidy, 1830

Rognes 1991a, **HA**, Mikdane (Jebel Ayachi); Rognes 1991b, **HA**, Mikdane (Jebel Ayachi); Gisondi et al. 2020; **HA** (Mikdane) – NHMUK

Pollenia contempta Robineau-Desvoidy, 1863

Séguy 1930a, **MA**, Meknès, from M'Rirt to El Hajeb; Mouna 1998; Rognes 1992

Pollenia haeretica Séguy, 1928

Séguy 1934b, **AP**, Rabat; Rognes 2010; **AP** (40 km S Larache) – NHMD

Pollenia ibalia Séguy, 1930

= *Pollenia funebris* Villeneuve, in Villeneuve 1932: 284

= *Pollenia rungsi* Séguy, in Séguy 1953a: 88

Séguy 1930a, **EM**, Berkane, **MA**, Tlet n'Rhohr (in garden), Douar Ras el Ksar (900 m); Villeneuve 1932, **HA**, Marrakech; Séguy 1953a, **AP**, Rabat; Séguy 1941a, **HA**, cañon Tessaout (M'Goum, 3000–3200 m); Mouna 1998; Rognes 2010; Grabener 2017; Gisondi et al. 2020; **HA** (Asni) – NHMUK; **HA** (Ijoukak) – MNHN; **HA** (15 km SW Tazenakht) – NHMD

Pollenia leclercqiana (Lehrer, 1978)

Rognes 2010, 2011; Gisondi et al. 2020

Pollenia luteovillosa Rognes, 1987

Gisondi et al. 2020, **HA**, Mikdane (Jbel Ayachi)

Pollenia ponti Rognes, 1991

Rognes 1991b, **HA**, Jaffar river (Jebel Ayachi); Gisondi et al. 2020; **HA** (Jebel Ayachi) – NHMUK

Pollenia rudis (Fabricius, 1794)

Séguy 1930a, **EM**, Itzer (Haute Moulouya), Berkane (1350 m), **AP**, Casablanca, **MA**, Meknès, Aharmoumou (1100 m), Tlet n'Rhohr (in garden), Douar Ras el Ksar (1900 m), **HA**, Tizi-n'Test, Goundafa (Jebel Imdress, 2000–2450 m); Maurice 1947, **Rif**, Tanger; Rognes 1987, **AP**, Aïn Diab, Larache, **HA**, Asni, Jebel Ayachi, Mikdane; Grabener 2017; Gisondi et al. 2020; **AP** (Casablanca, Rabat), **MA** (Ifrane), **HA** (Haute Réghaya) – MNHN

Pollenia ruficrura Rondani, 1862

Rognes 2011; Gisondi et al. 2020

Pollenia stigi (Rognes, 1992)

Rognes 1992, **MA**, Ifrane, Azrou; Gisondi et al. 2020

Pollenia vagabunda (Meigen, 1826)

= *Pollenia hasei* Séguy, in Séguy 1928e: 370, Séguy 1930a: 147

Séguy 1928e; Séguy 1930a, **AP**, Casablanca; Mouna 1998; Rognes 1992; Gi-sondi et al. 2020

RHINIIDAE

K. Kettani, K. Rognes

Number of species: **17**. Expected: ~20

Faunistic knowledge of the family in Morocco: moderate

***Cosmina* Robineau-Desvoidy, 1830**

Cosmina claripennis Robineau-Desvoidy, 1830

= *Cosmina bezziana* Villeneuve, in Villeneuve 1932a: 285

Villeneuve 1932a, **AP**, Mogador; Schumann 1986; Mouna 1998; Rognes 2002

Cosmina maroccana Séguy, 1949

Séguy 1949a, **AA**, Tenfecht, Vallée du Guir, **SA**, Guelmim; Séguy 1953a, **AA**, Tenfecht, Vallée du Guir, **SA**, Guelmim; Mouna 1998; Rognes 2002; Grabener 2017

Cosmina punctulata Robineau-Desvoidy, 1830

Séguy 1930a, **AA**, Tenfecht (Souss, 1000–1500 m)

Cosmina viridis (Townsend, 1917)

Ebejer et al. 2019, **AA**, 13 km E of Goulmima (1100 m)

***Rhinia* Robineau-Desvoidy, 1830**

Rhinia apicalis (Wiedemann, 1830)

Séguy 1930a, **AP**, Rabat, **MA**, Forêt Zaers; Zumpt 1956; Gonzales-Mora and Peris 1988; Mouna 1998; Verves 2003; Lehrer 2007

***Rhyncomya* Robineau-Desvoidy, 1830**

Rhyncomya callopis (Loew, 1856)⁵⁸

Séguy 1941d, **AA**, Agadir; Séguy 1953a, **AP**, Sidi Ifni, **SA**, Tindouf, Amguilli Sguelma, Guelta des Zemmours; Schumann 1986; Mouna 1998; Rognes 1992; Dawah et al. 2019; El Hawagry and El-Azab 2019; **MA** (Tafilalt) – MISR

Rhyncomya columbina (Meigen, 1824)

Peris 1951, **Rif**, Tanger, **MA**, Ifrane; Schumann 1986; Gonzalez-Mora and Peris 1988

Rhyncomya cyanescens (Loew, 1844)

= *Rhyncomya hemisia* Séguy, in Séguy 1930a: 150

Séguy 1930a, **EM**, Berkane (1350–1400 m); Gonzales-Mora and Peris 1988; Rognes 2002, **MA**

Rhyncomya desertica (Peris, 1951)

Grabener 2017; El Hawagry and El-Azab 2019

⁵⁸ According to Rognes (2002: 38) *Rhyncomya callopis* records may refer to similar species with spines on the surstylus.

Rhyncomya impavida (Rossi, 1790)

Séguy 1930a, **Rif**, Tanger, **EM**, Berkane (1350–1400 m), **MA**, Forêt Tiffert (2000–2200 m); Schumann 1986; Mouna 1998

Rhyncomya nigripes (Séguy, 1933)

Grabener 2017; El Hawagry and El-Azab 2019

Rhyncomya ursina Séguy 1928

= *Rhynchomyia ursina* Séguy, in Séguy 1928b: 152

Séguy 1928b, **AP**, Atlantic coast of **SA**

Rhyncomya yahavensis Rognes, 2002

Grabener 2017; Ebejer et al. 2019, **AA**, 30 km W of Errachidia (1065 m)

Rhyncomya zernyana Villeneuve, 1926

Zumt 1956; Gonzales-Mora and Peris 1988

***Stomorbina* Rondani, 1861**

Stomorbina lunata (Fabricius, 1805)

Séguy 1930a; Peris 1951; Gonzales-Mora and Peris 1988; Mouna 1998; **AP** (Rabat) – MISR

***Villeneuveiella* Austen, 1914**

Villeneuveiella icadion (Séguy, 1953)

= *Rhynchoestrus icadion* Séguy, in Séguy 1953a: 89

Séguy 1953a, **SA**, Tindouf

Villeneuveiella weissii (Séguy, 1926)

= *Rhynchoestrus weissii* Séguy, in Séguy 1934b: 162

Séguy 1934b, **EM**, Berkane Zobzit (1100 m); Séguy 1953a, **SA**, Mader Bergat

RHINOPHORIDAE

K. Kettani, T. Pape

Number of species: **8**. Expected: 15

Faunistic knowledge of the family in Morocco: poor

Rhinophorinae

***Melanophora* Meigen, 1803**

Melanophora roralis (Linnaeus, 1758)

Peris 1963, **Rif**, Tanger, **AP**, Larache; Mouna 1998

***Oplisa* Rondani, 1862**

Oplisa aterrima (Strobl, 1899)

= *Hoplisa aterrima* Strobl, in Peris 1963: 602

Peris 1963, **Rif**, Tanger, Zoco de Taleta, Ketama; Mouna 1998; Cerretti et al. 2020

***Paykullia* Robineau-Desvoidy, 1830**

Paykullia carmela (Peris, 1963)

= *Chaetostevenia carmela* Peris, in Peris 1963: 606

Peris 1963, **Rif**, Tanger; Cerretti et al. 2020; Pape and Thompson 2019 – MNCN

Phyto Robineau-Desvoidy, 1830*Phyto atrior* (Villeneuve, 1941)= *Styloneuria atrior* Villeneuve, in Villeneuve 1941: 122Villeneuve 1941, **AP**, Rabat; Cerretti et al. 2020; Pape and Thompson 2019 – IRSNB*Phyto discrepans* Pandellé, 1896Cerretti et al. 2020, **Rif**, Chefchaouen (600 m), Ouezzane (300 m), **MA**, 40 km N Fès (1150 m) – NHMD*Phyto melanocephala* (Meigen, 1824)Ebejer et al. 2019, **Rif**, Barrage Smir (145 m); Cerretti et al. 2020***Stevenia Robineau-Desvoidy, 1830****Stevenia deceptor* (Loew, 1847)

Mulieri et al. 2010; Cerretti et al. 2020

Tricogena Rondani, 1856*Tricogena rubricosa* (Meigen, 1824)= *Frauenfeldia rubricosa* Meigen, in Peris 1963: 603Peris 1963, **Rif**, Tanger; Mouna 1998; Cerretti et al. 2020 – NHMD**SARCOPHAGIDAE**

K. Kettani, D. Whitmore, T. Pape

Number of species: **66**. Expected: ~150

Faunistic knowledge of the family in Morocco: poor

Miltogramminae***Amobia Robineau-Desvoidy, 1830****Amobia signata* (Meigen, 1824)

Pape 1996; Verves 2019

Apodacra Macquart, 1854*Apodacra africana* Rohdendorf, 1930Pape 1996, **Rif**, Tanger; Verves 2019***Craticulina Pandellé, 1895****Craticulina antachates* (Séguy, 1949)= *Apodacra antachates* Séguy, in Séguy 1949a: 160Séguy 1949a, **AA**, Zagora; Pape 1996, **AA**, Zagora; Mouna 1998*Craticulina tabaniformis* (Fabricius, 1805)Fabricius 1805, **AP**, Mogador; Séguy 1930a, **AP**, Mogador; Séguy 1935a, **AP**, beach of Rabat; Pape 1996; El Hawagry and El-Azab 2019; Verves 2019***Dolichotachina Villeneuve, 1913****Dolichotachina marginella* (Wiedemann, 1930)

Pape 1996; Grabener 2017; El Hawagry and El-Azab 2019; Verves 2019

***Macronychia* Rondani, 1859**

Macronychia lemariei Jacentkovský, 1941*

AP

Macronychia polyodon (Meigen, 1824)

Pape 1996; Verves 2019

***Metopia* Meigen, 1803**

Metopia argyrocephala (Meigen, 1824)

= *Metopia leucocephala* (Rossi), in Mouna 1998: 86

Mouna 1998

***Miltogramma* Meigen, 1803**

Miltogramma aurifrons Dufour, 1850

Séguy 1930a, AP, Rabat, MA, Meknès; Pape 1996; Mouna 1998; El Hawagry and El-Azab 2019; Verves 2019

Miltogramma germari Meigen, 1824

Séguy 1930a, MA, Meknès, from M'Rirt to El Hajeb, Sidi Taibi; Pape 1996; Mouna 1998; El Hawagry and El-Azab 2019; Verves 2019

Miltogramma maroccana (Séguy, 1941)

= *Sphecatodes maroccana* Séguy, in Séguy 1941d: 22

Séguy 1941d, AA, Taroudant; Pape and Szpila 2012

Miltogramma murina Meigen, 1824

Pape 1996; Verves 2019

Miltogramma oestracea (Fallén, 1820)

Ebejer et al. 2019, Rif, Belwazen (M'Diq, 200 m), AP, Lower Loukous salt-marsh (2 m)

Miltogramma rutilans Meigen, 1824

Ebejer et al. 2019, Rif, Oued Mhajrate (Ben Karrich, 180 m)

Miltogramma testaceifrons (Roser, 1840)

= *Miltogramma pilitarsis* Rondani, in Séguy 1930a: 145; Mouna 1998: 86

Séguy 1930a, MA, Aïn Leuh; Pape 1996; Mouna 1998

***Protomiltogramma* Townsend, 1916**

Protomiltogramma fasciata (Meigen, 1824)

= *Setulia fasciata* (Meigen), in Mouna 1998: 86

Pape 1996; El Hawagry and El-Azab 2019; Verves 2019

***Senotainia* Macquart, 1846**

Senotainia albifrons (Rondani, 1859)

= *Sphecapata albifrons* Rondani, in Séguy 1930a: 145

Séguy 1930a

***Taxigramma* Macquart, 1850**

Taxigramma heteroneura (Meigen, 1830)

Pape 1996; El Hawagry and El-Azab 2019; Verves 2019

Taxigramma pluriseta (Pandellé, 1895)

Ebejer et al. 2019, Rif, Oued Mhajrate (Ben Karrich, 180 m), AP, Lower Loukous saltmarsh (2 m)

Paramacronychiinae

Nyctia* Robineau-Desvoidy, 1830Nyctia halterata* (Panzer, 1798)= *Musca maura* Fabricius, in Fabricius 1805: 302Fabricius 1805, **Rif**, Tanger; Pape 1996, **Rif**, Tanger; Grabener 2017; El Hawagry and El-Azab 2019; Verves 2019*Nyctia lugubris* (Macquart, 1834)Ebejer et al. 2019, **AP**, Lower Loukous saltmarsh (2 m)***Sarcophila* Rondani, 1856***Sarcophila latifrons* (Fallén, 1817)⁵⁹Séguy 1930a, **AP**, Maâmora, **HA**, Skoutana (Arround, 2000–2400 m); Mouna 1998***Wohlfahrtia* Brauer & Bergenstamm, 1889***Wohlfahrtia bella* (Macquart, 1839)= *Disjunctio bella* (Macquart), in Séguy 1930a: 144Séguy 1930a, **MA**, Aïn Leuh; Pape 1996; Mouna 1998; Hall et al. 2009; El Hawagry and El-Azab 2019; Verves 2019*Wohlfahrtia indigens* Villeneuve, 1928

Pape 1996; El Hawagry and El-Azab 2019; Verves 2019

Wohlfahrtia magnifica (Schiner, 1862)Delanoë 1922, **AP**, Doukkala; Séguy 1930a, **AP**, Maâmora; Séguy 1941a, **HA**, Tizi-n'Icheden (3000 m); Maurice 1947; Pape 1996; Mouna 1998; Lmimouni et al. 2004; Tliqui et al. 2007; Farkas et al. 2009, **Rif**, Al Hoceima, Taguidit, Tafensa, **EM**, Aghbal; Hall et al. 2009; El Hawagry and El-Azab 2019; Verves 2019*Wohlfahrtia nuba* (Wiedemann, 1830)

Pape 1996; El Hawagry and El-Azab 2019; Verves 2019

Wohlfahrtia trina (Wiedemann, 1830)

Pape 1996; Mouna 1998; El Hawagry and El-Azab 2019

Sarcophaginae

Blaesoxipha* Loew, 1861Blaesoxipha (Blaesoxipha) lapidosa* Pape, 1994

Pape 1996; Grabener 2017; El Hawagry and El-Azab 2019

Blaesoxipha (Blaesoxipha) litoralis (Villeneuve, 1911)

Pape 1996; Verves 2019

Blaesoxipha (Blaesoxipha) pygmaea (Zetterstedt, 1844)

Pape 1996; Verves 2019

⁵⁹ The records of *Sarcophila latifrons* (Fallén) require verification. The genus *Sarcophila* is in need of revision and is likely much more diverse in the Mediterranean area than previously thought, so older records of *S. latifrons* from Morocco must be considered uncertain.

Blaesoxipha (*Servaisia*) *rossica* Villeneuve, 1912

Pape 1996; Verves 2019

***Ravinia* Robineau-Desvoidy, 1863**

Ravinia pernix (Harris, 1780)

= *Gesneriodes disjuncta* Séguy, in Séguy 1938: 43

= *Sarcophaga striata* (Fabricius), in Séguy 1941d: 22, Séguy 1949a: 159

Séguy 1938, **HA**, Skoutana; Séguy 1941d, **AA**, Taroudant; Séguy 1949a, **AA**, Akka; Pape 1996; Grabener 2017; El Hawagry and El-Azab 2019; Verves 2019

***Sarcophaga* Meigen, 1826**

Sarcophaga (*Bercaea*) *africa* (Wiedemann, 1824)

Pape 1996; Abkari et al. 1998; Verves 2003, 2019; Grabener 2017; El Hawagry and El-Azab 2019

Sarcophaga (*Helicophagella*) *maculata* Meigen, 1835

Pape 1996; El Hawagry and El-Azab 2019; Verves 2019

Sarcophaga (*Helicophagella*) *melanura* Meigen, 1826

El Hawagry and El-Azab 2019; Verves 2019

Sarcophaga (*Helicophagella*) *novercoides* Böttcher, 1913*

Rif, HA, AA

Sarcophaga (*Heteronychia*) *balanina* Pandellé, 1896

Whitmore et al. 2013, **AP**, Larache; Fendane et al. 2018, **AP**, Diabat (Essaouira), Sidi Abed (El Jadida), Bir Retma (Casablanca); Verves 2019

Sarcophaga (*Heteronychia*) *cucullans* Pandellé, 1896

Séguy 1930a, **HA**, Maharidja; Mouna 1998

Sarcophaga (*Heteronychia*) *ferox* Villeneuve, 1908

Whitmore 2011, **Rif**, Ouezzane, **AP**, Larache, **MA**, Béni Mellal, Afourer, **AA**, Aoulouz; Whitmore et al. 2013; El Hawagry and El-Azab 2019; Verves 2019

Sarcophaga (*Heteronychia*) *filia* Rondani, 1860

Whitmore 2011, **MA**, Azrou, Timahdit; Whitmore et al. 2013; Verves 2019

Sarcophaga (*Heteronychia*) *javita* (Peris, González-Mora & Mingo, 1998)*

AA

Sarcophaga (*Heteronychia*) *longestylata* Strobl, 1906

Pape 1996; Whitmore et al. 2013, **MA**, Ifrane, Azrou; Fendane et al. 2018, **AP**, Sidi Abed (El Jadida)

Sarcophaga (*Heteronychia*) *minima* Rondani, 1862

Whitmore 2011, **MA**, Azrou, Ifrane, Afourer (Béni Mellal), **HA**, Ijoukak, Ouirgane (Marrakech), **AA**, Oulma (Agadir); Whitmore et al. 2013; Fendane et al. 2018, **AP**, Smimou (Essaouira), El Akarta (Oualidia); Verves 2019

Sarcophaga (*Heteronychia*) *obvia* (Povolný, 2004)

Whitmore et al. 2013, **MA**, Afourer (Béni Mellal), **HA**, Ait Lekak (Marrakech), S Asni (Imlil, Marrakech), Tagadirt, Quirgane, **AA**, Oulma Ort (Agadir)

Sarcophaga (*Heteronychia*) *pandellei* (Rohdendorf, 1937)

Séguy 1930a, **MA**, Tizi-s'Tkrine; Mouna 1998; Whitmore et al. 2013, **MA**, Azrou, Ifrane, Afourer (Béni Mellal)

- Sarcophaga (Heteronychia) tangerensis* Whitmore, 2011
 = *Heteronychia (Heteronychia) amica* Peris, González-Mora & Mingo, in Peris et al. 1998: 173
 Peris et al. 1998, **Rif**, Tanger; Whitmore 2011, **Rif**, Tanger
- Sarcophaga (Heteronychia) villeneuveana* (Enderlein, 1928)
 = *Pierretia (Bercaea) maroccana* Rohdendorf, in Rohdendorf 1937: 325
 = *Sarcophaga (Heteronychia) penicillata* Villeneuve, in Coupland and Barker 2004: 113 (misidentification)
 Rohdendorf 1937, **MA**, Aïn Defali; Coupland and Barker 2004; Whitmore 2009; Fendane et al. 2018, **AP**, Diabat (Essaouira), Ghabat Tansift (Souiria), Lalla Fatna (Safi), Laatoutate (Safi), El Akarta (Oualidia), Sidi Abed (El Jadida), Bir Retma (Casablanca); Verves 2019
- Sarcophaga (Heteronychia) uncicurva* Pandellé, 1896
 Fendane et al. 2018, **AP**, Smimou (Essaouira), Diabat (Essaouira), Lalla Fatna (Safi), Laatoutate (Safi), Bir Retma (Casablanca)
- Sarcophaga (Liopygia) argyrostoma* (Robineau-Desvoidy, 1830)*
HA
- Sarcophaga (Liopygia) crassipalpis* Macquart, 1839
 Pape 1996; Grabener 2017; El Hawagry and El-Azab 2019; Verves 2019
- Sarcophaga (Liosarcophaga) aegyptica* Salem, 1935
 Fendane et al. 2018, **AP**, Sidi Abed (El Jadida)
- Sarcophaga (Liosarcophaga) dux* Thomson, 1869*
SA
- Sarcophaga (Liosarcophaga) jacobsoni* (Rohdendorf, 1937)
 Pape 1996; El Hawagry and El-Azab 2019; Verves 2019
- Sarcophaga (Liosarcophaga) marshalli* Parker, 1923
 Fendane et al. 2018, **AP**, Smimou (Essaouira), Diabat (Essaouira), Ghabat Tansift (Souiria), Laatoutate (Safi); El Hawagry and El-Azab 2019; Verves 2019
- Sarcophaga (Liosarcophaga) pharaonis* Rohdendorf, 1934
 Carles-Tolrá 2002; El Hawagry and El-Azab 2019; Verves 2019
- Sarcophaga (Liosarcophaga) tibialis* Macquart, 1851
 = *Sarcophaga beckeri* Villeneuve, in Maurice 1947: 57; Mouna 1998: 86
 Maurice 1947; Mouna 1998; Fendane et al. 2018, **AP**, Laatoutate (Safi)
- Sarcophaga (Liosarcophaga) teretirostris* Pandellé, 1896
 = *Parasarcophaga decellei* Lehrer, in Lehrer 1976: 3
 Lehrer 1976, **MA**, Kandar, Imouzzar; Pape 1996, **MA**, Kandar, Imouzzar; Verves 2019
- Sarcophaga (Liosarcophaga) tuberosa* Pandellé, 1896⁶⁰
 Mouna 1998

⁶⁰ This record requires verification, as *Sarcophaga (Liosarcophaga) tuberosa* has often been confused with other species in the literature.

Sarcophaga (Myorhina) nigriventris Meigen, 1826

Pape 1996; Mouna 1998; Fendane et al. 2018, **AP**, Ghabat Tansift (Souiria), Laatoutate (Safi), El Akarta (Oualidia), Sidi Abed (El Jadida), Bir Retma (Casablanca); Verves 2019

Sarcophaga (Myorhina) soror Rondani, 1860

Fendane et al. 2018, **AP**, Sidi Abed (El Jadida)

Sarcophaga (Pandelleana) protuberans Pandellé, 1896

Séguy 1949a, **AA**, Agadir Tissint, **SA**, Guelmim, Foum-el-Hassan, Tata; Mouna 1998

Sarcophaga (Parasarcophaga) hirtipes Wiedemann, 1830

Pape 1996; Verves 2003; El Hawagry and El-Azab 2019; Verves 2019

Sarcophaga (Sarcophaga) lehmanni Müller, 1922

Pape 1996; Cassar et al. 2005, **Rif**, Smir lagoon; El Hawagry and El-Azab 2019; Verves 2019

Sarcophaga (Sarcophaga) marcelleclercqi Lehrer, 1975

Lehrer 1975; Pape 1996, **MA**, Azrou; Verves 2019

Sarcophaga (Thyrsoctenema) belgiana (Lehrer, 1976)

Lehrer 1976; Pape 1996

*Sarcophaga (Thyrsoctenema) sp.*⁶¹

Ebejer et al. 2019 [as *incisilobata*, misidentification], **Rif**, Tahaddart (8 m)

New records for Morocco*Macronychia lemariei* Järentkovský, 1941

Atlantic plain: Rabat, Forêt de Maâmora, 100 m, 25–26.iv.1989, 1♂1♀, Zoological Museum of Copenhagen Expedition (NMHD).

Sarcophaga (Helicophagella) novercoides Böttcher, 1913

Rif: Ouezzane, 300 m, 21–22.iv.1989, 1♂, Zoological Museum of Copenhagen Expedition (NMHD).

High Atlas: Marrakech, Ouirgane, 1000 m, 1–9.iv.1997 Mai, 1♂, C. Kassebeer leg. (NMHD).

Anti Atlas: 30 km NW Aoulouz, 1400 m, 10.iv.1989, 1♂, Zoological Museum of Copenhagen Expedition (NMHD).

Sarcophaga (Heteronychia) javita (Peris, González-Mora & Mingo, 1998)

Anti Atlas: Agadir, S Oulma, 30°31'N, 9°09'W, 200 m, 21.iv.1997, 1♂, C. Kassebeer leg. (NMHD).

Sarcophaga (Liopygia) argyrostoma (Robineau-Desvoidy, 1830)

High Atlas: Marrakech, Tagadirt, Ouirgane, 1000 m, 1.x.1994, 1♀, C. Kassebeer leg. (NMHD).

61 After checking photographs of the male terminalia of the specimen reported by Ebejer et al. (2019) as *Sarcophaga (Thyrsoctenema) incisilobata* Pandellé, 1896, we consider that it most likely represents an undescribed species.

Sarcophaga (Liosarcophaga) dux Thomson, 1869

Sahara: Erfoud, Rissani area, 900 m, 13–14.iv.1989, Zoological Museum of Copenhagen Expedition (NHMD).

TACHINIDAE

K. Kettani, P. Cerretti, H.-P. Tschorsnig

Number of species: **147**. Expected: 200

Faunistic knowledge of the family in Morocco: poor

Dexiinae

Dexiini

***Billaea* Robineau-Desvoidy, 1830**

Billaea lata (Macquart, 1849)

= *Rhynchodineria lata* Macquart, in Séguy 1930a: 143

Séguy 1930a, **MA**, Aharmoumou, Camp Boulhout, Sidi Bettache, Aïn Sferguila, Meknès; Mouna 1998; **AP** (Mehdia) – MISR; **AP** (Essaouira, 4 km E Ounara), **HA** (Marrakech, Lakhdar, N Demnate) – PCPT

***Estheria* Robineau-Desvoidy, 1830**

Estheria atripes Villeneuve, 1920

Cerretti and Tschorsnig 2012

Estheria iberica Tschorsnig, 2003*

MA

Estheria nigripes (Villeneuve, 1920)

Cerretti and Tschorsnig 2012; **MA** (Béni Mellal, El Ksiba), **AA** (Agadir, Oulma) – PCPT

Estheria picta (Meigen, 1826)⁶²

Moutia 1940

***Zeuxia* Meigen, 1826**

Zeuxia aberrans (Loew, 1847)

= *Zeuxia nigripes* Meigen, in Séguy 1941d: 23

Brémond 1938; Séguy 1941d, **AP**, Rabat, **MA**, Volubilis, **AA**, Agadir; IOBC-List 11; Mesnil 1980; Mouna 1998; Tschorsnig 2017; **AA** (10 km NW Aït-Baha) – PCPT

Dufouriini

***Dufouria* Robineau-Desvoidy, 1830**

Dufouria nigrata (Fallén, 1810)

Ebejer et al. 2019, **AP**, Larache (Lower Loukous saltmarsh, 2 m); **MA** (Ouzoud) – PCPT

⁶² *Estheria picta*: the identity of this species is not confirmed; see note in Tschorsnig 2017.

Voriini

***Athrycia* Robineau-Desvoidy, 1830**

Athrycia trepida (Meigen, 1824)*

MA

***Cyrtophloeoba* Rondani, 1856**

Cyrtophloeoba ruricola (Meigen, 1824)

= *Plagia ruricola* Meigen, in Séguy 1935a: 120, in Rungs 1940: 14

Séguy 1935a, MA, Ifrane; Rungs 1940, MA (Cédraie); Mouna 1998; HA (Tizi-n'Test), AA (Taroudant) – PCPT

***Eriothrix* Meigen, 1830**

Eriothrix apennina (Rondani, 1862)

Herting and Dely-Draskovits 1993; Koçak and Kemal 2010

Eriothrix rufomaculata (De Geer, 1776)*

MA, HA

***Hypovoria* Villeneuve, 1913**

Hypovoria hilaris Villeneuve, 1912

Séguy 1935a, AP, Oued Beth; Séguy 1953a, AP, Sehoul; Mouna 1998; AA (10 km SE Aït-Ourir) – PCPT

Hypovoria pilibasis (Villeneuve, 1922)

Zeegers 2010; HA (Tizi-n'Test), AA (Taroudant) – PCPT

***Kirbya* Robineau-Desvoidy, 1830**

Kirbya moerens (Meigen, 1830)*

MA

***Nanoplagia* Villeneuve, 1929**

Nanoplagia sinaica (Villeneuve in Hermann & Villeneuve 1909)

Cerretti 2009; Grabener 2017; HA (Marrakech, 8 km N Ouirgane), AA (40 km SW Ouarzazate, 10 km SW Tazenakht, NE Agadir, 12 km W Oulma) – PCPT

***Periscepsia* Gistel, 1848**

Periscepsia meyeri (Villeneuve, 1930)

Ebejer et al. 2019, Rif, Adrou (PNPB, 556 m)

***Stomina* Robineau-Desvoidy, 1830**

Stomina caliendrata (Rondani, 1862)

= *Morphomyia caliendrata* Rondani, in Séguy 1930a: 143

Séguy 1930a, MA, from M'Rirt to Hajeb, HA, Kasba Taguendaft (Gounfada); Mouna 1998; HA (Massif Toubkal) – PCPT

***Thelaira* Robineau-Desvoidy, 1830**

Thelaira haematodes (Meigen, 1824)⁶³

⁶³ The following species *Thelaira haematodes*, *Carcelia iliaca*, *Drino gilva*, and *Drino imberbis*, have been considered as Moroccan on the basis of specimens represented in the collection of MISR (Rabat, Morocco) or cited in some old Moroccan references: However, the identifications are not yet confirmed.

= *Phoenicella haematodes* Meigen: Séguy 1930a: 142

Séguy 1930a, **HA**, Arround; Mouna 1998

***Uclesia* Girschner, 1901**

Uclesia fumipennis Girschner, 1901

Séguy 1934b; Herting and Dely-Draskovits 1993; Mouna 1998; **HA** (Mar-rakech) – MISR

***Voria* Robineau-Desvoidy, 1830**

Voria ruralis (Fallén, 1810)

Jourdan 1935c

***Wagneria* Robineau-Desvoidy, 1830**

Wagneria dilatata Kugler, 1977

Kugler 1977

Exoristinae

Acemyini

***Ceracia* Rondani, 1865**

Ceracia mucronifera Rondani, 1865

= *Myothyria benoisti* (Mesnil), in Mesnil 1959: 20

Mesnil 1959, **MA**, Forêt Maâmora near Tiflet; Herting and Dely-Draskovits 1993; Cerretti and Ziegler 2004

Blondeliini

***Compsilura* Bouché, 1834**

Compsilura concinnata (Meigen, 1824)

IOBC-list 1 (1956); Hérard and Fraval 1980

***Istocheta* Rondani, 1859**

Istocheta cinerea (Macquart, 1850)

Herting 1960

Istocheta longicornis (Fallén, 1810)

= *Latigena longicornis* Fallén, in Séguy 1953a: 91

Séguy 1953a, **AP**, Forêt Zaers

***Lomachantha* Rondani, 1859**

Lomachantha parra Rondani, 1859

Efetov and Tarmann 1999

***Robinaldia* Herting, 1983**

Robinaldia angustata (Villeneuve, 1933)

Herting and Dely-Draskovits 1993; Tschorsnig and Herting 1994

***Zaira* Robineau-Desvoidy, 1830**

Zaira cinerea (Fallén, 1820)

Ebejer et al. 2019, **Rif**, Aïn Jdioui (Tahaddart, 8 m)

Eryciini

Alsomyia* Brauer & Bergenstamm, 1891Alsomyia olfaciens* (Pandellé, 1896)

IOBC-List 12 (1993)

Amphicestonia* Villeneuve, 1939Amphicestonia dispar* (Villeneuve, 1922)Herting and Dely-Draskovits 1993; Cerretti and Ziegler 2004; **MA** (Ifrane) – PCPT***Aplomyia* Robineau-Desvoidy, 1830***Aplomyia confinis* (Fallén, 1820)Ebejer et al. 2019, **Rif**, Dardara (484 m)***Carcelia* Robineau-Desvoidy, 1830***Carcelia dilaticornis* Mesnil, 1950

Mesnil 1950

Carcelia iliaca (Ratzeburg, 1840)⁶³

Mouna 1998

Carcelia lucorum (Meigen, 1824)***HA*****Drino* Robineau-Desvoidy, 1863***Drino atropivora* (Robineau-Desvoidy, 1830)= *Sturmia atropivora* Robineau-Desvoidy, in Bléton and Fieuzet 1939: 64De Lépiney and Mimeur 1932; Bléton and Fieuzet 1939, **MA**, Fès; Mouna 1998; Tschorsnig 2017; **AP** (Rabat), **MA** (Bel Lakssiri) – MISR*Drino galii* (Brauer & Bergenstamm, 1891)***HA, AA***Drino gilva* (Hartig, 1838)⁶³= *Sturmia gilva* Hartig

Mouna 1998 – MISR (no locality given)

Drino imberbis (Wiedemann, 1830)⁶³

Rungs 1954; Grabener 2017

Drino inconspicua (Meigen, 1830)Séguy 1935a, **AP**, Sehoul (Rabat); Bléton and Fieuzet 1939, **MA**, Dayat Achleff; Mouna 1998; **MA** (Meknès, Béni Mellal) – MISR*Drino maroccana* Mesnil, 1951De Lépiney 1930; De Lépiney and Mimeur 1932 (probably misidentified as *Sturmia inconspicua*); Mesnil 1951; Herting and Dely-Draskovits 1993; Ziegler 2011*Drino triplaca* Herting, 1979Herting 1979, **AP**, Rabat*Drino vicina* (Zetterstedt, 1849)= *Sturmia vicina* Zetterstedt, 1849De Lépiney and Mimeur 1932; Bouclier-Maurin 1923; **AP** (Rabat) – MISR

Gymnophryxe* Villeneuve, 1922Gymnophryxe carthaginiensis* (Bischof, 1900)

Mesnil 1956

Nilea* Robineau-Desvoidy, 1863Nilea innoxia* Robineau-Desvoidy, 1863

Bléton and Fieuzet 1939

Phryxe* Robineau-Desvoidy, 1830Phryxe caudata* (Rondani, 1859)

Biliotti 1956; El Yousfi 1994; IOBC-list 11 (1989)

Phryxe setifacies (Villeneuve, 1910)

IOBC-list 11 (1989); IOBC-list 12 (1993)

Phryxe vulgaris (Fallén, 1810)Séguy 1953a, **MA**, Tamrabta (1700 m) – PCPT (**HA**, Marrakech, Imlil, S Asni)***Ptesiomyia* Brauer & Bergenstamm, 1893***Ptesiomyia microstoma* Brauer & Bergenstamm, 1893Séguy 1953a, **AP**, Rabat; **EM** (Mte des Béni Snassen, Taforalt), **MA** (Béni Mellal, Bin-el-Ouidane; Meknès, Ifrane (NPI)), **HA** (Marrakech, Oukaïmeden) – PCPT***Senometopia* Macquart, 1834***Senometopia separata* (Rondani, 1859)

Hérard and Fraval 1980

Tryphera* Meigen, 1838Tryphera lugubris* (Meigen, 1824)

IOBC-List 1 (1956)

Ethillini

Atylomyia* Brauer, 1898Atylomyia albifrons* Villeneuve, 1911= *Atylomyia rungsi* Mesnil, in Mesnil 1962: 778Mesnil 1962, **AA** (near Agadir), Aït Melloul; Herting and Dely-Draskovits 1993

Exoristini

Bessa* Robineau-Desvoidy, 1863Bessa parallela* (Meigen, 1824)Séguy 1935a (probably misidentified as *Bessa selecta*); Tschorsnig 2017***Chetogena* Rondani, 1856***Chetogena filipalpis* Rondani, 1859Ebejer et al. 2019, **Rif**, Aïn Jdioui (Tahaddart, 8 m); **MA** (Fès, Sidi Harazem, Ifrane, Forêt de Cèdres) – PCPT*Chetogena mageritensis* (Villeneuve & Mesnil, 1936)

Herting and Dely-Draskovits 1993

Chetogena media Rondani, 1859*

MA

Chetogena nigrofasciata (Strobl, 1902)

= *Chetogena repanda* (Mesnil, 1939), in Herting and Dely-Draskovits 1993 (type locality: Skel): 17

Gheibi et al. 2010

Chetogena obliquata (Fallén, 1810)

De Lépiney and Mimeur 1932; Herting 1960; IOBC-list 12 (1993); **HA** (Marrakech, Oukaimeden) – PCPT

***Exorista* Meigen, 1803**

Exorista deligata Pandellé, 1896

Mesnil 1946, **AP**, Sidi Taibi near Kénitra; Herting and Dely-Draskovits 1993; Cerretti and Ziegler 2004; Gheibi et al. 2010

Exorista grandis (Zetterstedt, 1844)

Ebejer et al. 2019, **Rif**, Dardara (484 m)

Exorista larvarum (Linnaeus, 1758)

Mouna 1998

Exorista nova (Rondani, 1859)

Tschorsnig 2017

Exorista rendina (Herting, 1975)*

AA

Exorista segregata (Rondani, 1859)

Mouna 1998; **AA** (Agadir, Oulma) – PCPT

Goniini

***Anurophylla* Villeneuve, 1938**

Anurophylla aprica (Villeneuve, 1912)*

MA

***Baumhaueria* Meigen, 1838**

Baumhaueria goniaeformis (Meigen, 1824)

De Lépiney and Mimeur 1932; **AP** (Maâmora) – MISR; **HA** (Marrakech, Oukaimeden) – PCPT

***Blepharipa* Rondani, 1856**

Blepharipa pratensis (Meigen, 1824)*

HA

***Ceratochaetops* Mesnil, 1970**

Ceratochaetops triseta (Villeneuve, 1922)

= *Ceratochoeta triseta* Villeneuve, in Rungs 1940: 15

Rungs 1940, **MA** (Cédraie); Mouna 1998; **MA** (Khénifra, El-Herri, Ifrane (NPI), Meknès), **HA** (Marrakech, 8 km N Ouirgane) – PCPT

Ceromasia* Rondani, 1856Ceromasia rubrifrons* (Macquart, 1834)IOBC-list 11 (1989); IOBC-list 12 (1993); **HA** (Marrakech, Ouirgane, Tagadirt, S Asni) – PCPT***Clemelis* Robineau-Desvoidy, 1863***Clemelis pullata* (Meigen, 1824)

IOBC-list 13 (1997)

Gaedia* Meigen, 1838Gaedia connexa* Meigen, 1824Séguy 1953a, **EM**, Berkane***Gonia* Meigen, 1803***Gonia aterrima* Tschorsnig, 1991

Tschorsnig 1991

Gonia atra Meigen, 1826Séguy 1930a, **MA**, Tizi-n'Bouftene, between Azrou and Ras el Ma, Forêt Azrou, **HA**, Arround (Skoutana), Jebel Likount, Asni; Mouna 1998; Grabener 2017; **MA** (Tighassaline, El-Herri, Aïn Leuh-Tagounit, Meknès, Ifrane (NPI)), **HA** (40 km SW Ouarzazate, Marrakech, Ouirgane, Lakhdar, N Demnate, Oukaïmeden), **AA** (Agadir, Oulma) – PCPT*Gonia bimaculata* Wiedemann, 1819= *Gonia cilipeda* Rondani, in Séguy 1953a: 91Séguy 1930a, **AP**, Rabat, **MA**, Tizi-s'Tkrine, Tizi-n'Bouftene, between Azrou and Ras el Ma, Forêt Azrou, Berkane, **HA**, Arround (Skoutana), Jebel Likount, Asni, Ouaouzert (Glaoua); Séguy 1953a, **AP**, Temara; **AP** (Rabat) – MISR; **HA** (S Asni Ouirgane, Marrakech), **AA** (80 km N Taroudant, Aoulouz), **AA** (15 km NW Zagora) – PCPT*Gonia capitata* (De Geer, 1776)Mouna 1998; **MA** (Ifrane) – MISR*Gonia maculipennis* Egger, 1862***MA***Gonia ornata* Meigen, 1826Séguy 1953a, **AP**, Rabat, **MA**, Ifrane, **SA**, Kelaâ M'Goum; **MA** (Ifrane, Forêt de Cèdres), **HA** (Oukaïmeden (2600 m), Marrakech) – PCPT*Gonia vacua* Meigen, 1826***MA*****Pales* Robineau-Desvoidy, 1830***Pales pavidata* (Meigen, 1824)IOBC-list 1 (1956); Cerretti 2005; **MA** (Fès, Sidi Harazem) – PCPT***Platymya* Robineau-Desvoidy, 1830***Platymya antennata* (Brauer & Bergenstamm, 1891)

Efetov and Tarmann 1999

Pseudogonia* Brauer and von Bergenstamm, 1889Pseudogonia rufifrons* (Wiedemann, 1830)De Lépiney and Mimeur 1932; IOBC-list 1 (1956); Mouna 1998; Tschorsnig 2017; Grabener 2017; **AA** (S Tafraoute, Aït Mansur, Agadir, Oulma) – PCPT***Sturmia* Robineau-Desvoidy, 1830***Sturmia bella* (Meigen, 1824)

Stefanescu et al. 2012; Tschorsnig 2017

Winthemiini

Nemorilla* Rondani, 1856Nemorilla maculosa* (Meigen, 1824)Kozlovsky and Rungs 1933; Brémond and Rungs 1938 [as *N. floralis*; probable misidentification]; IOBC list 1 (1956); Mouna 1998; **EM** (Oujda, Col de Jerada) – PCPT

Phasiinae

Cylindromyiini

Besseria* Robineau-Desvoidy, 1830Besseria lateritia* (Meigen, 1824)***HA*****Cylindromyia* Meigen, 1803***Cylindromyia bicolor* (Olivier, 1812)Séguy 1930a, **AP**, Rabat; Mouna 1998*Cylindromyia brassicaria* (Fabricius, 1775)Séguy 1930a, **EM**, Soufouloud, **MA**, Aharmoumou, Berrechid, Meknès, Sidi Bettache, Berkane, **HA**, Tenfecht, Ouaounzert, Marrakech, Asni; Séguy 1935a, **AP**, Gharb; Séguy 1941a, **HA**, Jebel Ayachi; Séguy 1949, **SA**, Guelmim; Dupuis 1963; Mouna 1998; **MA** (Sefrou) – MISR; **AP** (Essaouira, 4 km E Ounara), **HA** (10 km W Chichaoua, Oukaïmeden), **AA** (140 km E Agadir, Aoulouz, Tizi-n'Tichka) – PCPT*Cylindromyia intermedia* Meigen, 1824Becker and Stein 1913, **Rif**, Tanger; **HA** (Ouirgane, Imlil, Tizi-n'Test), **AA** (10 km SE Ouarzazate (oasis), Taroudant) – PCPT*Cylindromyia maroccana* Tschorsnig, 1997Tschorsnig 1997, **HA**, Ouirgane, Tagadirt (1000 m)*Cylindromyia pilipes* Loew, 1844Becker and Stein 1913, **Rif**, Tanger; Herting and Dely-Draskovits 1993; Gilasian et al. 2013***Phania* Meigen, 1824***Phania albisquama* (Villeneuve, 1924)***MA**

Gymnosomatini

Clytiomya* Rondani, 1861Clytiomya continua* (Panzer, 1798)= *Clytiomyia dalmatica* Robineau-Desvoidy, in Séguy 1935a: 119Séguy 1935a, **AP**, Gharb; Mouna 1998; **AP** (Rabat) – MISR*Clytiomya sola* (Rondani, 1861)Séguy 1935a; Dupuis 1963; **MA** (Khénifra, Tighassaline) – PCPT***Ectophasia* Townsend, 1912***Ectophasia crassipennis* (Fabricius, 1794)= *Phasia crassipennis* Fabricius, in Séguy 1930a: 141Séguy 1930a, **MA**, Aïn Leuh; Mouna 1998***Eliozeta* Rondani, 1856***Eliozeta helluo* (Fabricius, 1805)= *Clytiomyia helluo* Fabricius, in Séguy 1935: 119Séguy 1930a, **MA**, Meknès (Aïn Sferguila); Jourdan 1935; Séguy 1935a, **AP**,

Gharb; Thompson 1950; Dupuis 1963; Mouna 1998; Tschorsnig 2017

Gymnosoma* Meigen, 1803Gymnosoma carpocoridis* Dupuis, 1961

Dupuis 1963; Herting and Dely-Draskovits 1993

Gymnosoma clavatum (Rohdendorf, 1947)Dupuis 1963; Grabener 2017; **MA** (Meknès, Ifrane (NPI)), **AA** (140 km E Agadir, Aoulouz), **AA** (80 km S Zagora, Oued Draa, Mhamid) – PCPT*Gymnosoma dolycoridis* Dupuis, 1960Dupuis 1963; **MA** (Fès, Sidi Harazem) – PCPT*Gymnosoma rotundatum* Linnaeus, 1758⁶⁴Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **Rif**, Tanger, **AP**, Mogador, **MA**, Tizi-s'Tkrine, Sidi Bettache, Moulay Aïn Djemine, **HA**, Asni; Séguy 1934b; Séguy 1935a; Thompson 1950; Mouna 1998; **AP** (Mogador), **MA** (Maghrawa) – MISR; **MA** (Meknès, Ifrane (NPI)) – PCPT*Gymnosoma rungsi* (Mesnil, 1952)= *Rhodogyne rungsi* (Mesnil), in Mesnil 1952: 151Mesnil 1952, **AP**, Rabat; Dupuis 1963; Herting and Dely-Draskovits 1993

Leucostomatini

Clairvillia* Robineau-Desvoidy, 1830Clairvillia biguttata* (Meigen, 1824)***HA**

⁶⁴ *Gymnosoma rotundatum* older identifications of *G. rotundatum* are not reliable. Possibly they were the true *G. rotundatum*, but it is more likely that other species of the genus *Gymnosoma* were concerned.

Dionomelia* Kugler, 1978Dionomelia hennigi* Kugler, 1978***SA*****Leucostoma* Meigen, 1803***Leucostoma abbreviatum* Herting, 1971

Ziegler 2012

Leucostoma crassum Kugler, 1966***HA***Leucostoma obsidianum* (Wiedemann, 1830)Ebejer et al. 2019, **AA**, Ziz river (10 km S of Errachidia, 1008 m)*Leucostoma tetraptera* (Meigen, 1824)Dupuis 1953; Ebejer et al. 2019, **Rif**, Barrage Smir (27 m)***Weberia* Robineau-Desvoidy, 1830***Weberia digramma* (Meigen, 1824)***AA**

Phasiini

Elomya* Robineau-Desvoidy, 1830Elomya lateralis* (Meigen, 1824)Séguy 1930a, **AP**, From Zarjoulea to Larache, **MA**, Berkane; Dupuis 1952; Dupuis 1963; Herting and Dely-Draskovits 1993; Mouna 1998; Cerretti and Ziegler 2004; **MA** (Khénifra, Tighassaline, Meknès, Ifrane (NPI)), **HA** (Marakech, Ouirgane) – PCPT***Phasia* Latreille, 1804***Phasia mesnili* (Draber-Monko, 1965)Sun and Marshall 2003, **HA**; **AP** (10 km E Essaouira), **AA** (S Taфраoute, Aït Mansur, S Aït-Baha) – PCPT*Phasia obesa* (Fabricius, 1798)Sun and Marshall 2003, **HA**, Asni*Phasia pusilla* Meigen, 1824Dupuis 1963; Sun and Marshall 2003, **MA***Phasia subcoleoptrata* (Linnaeus, 1767)Dupuis 1963; Herting and Dely-Draskovits 1993; Sun and Marshall 2003, **MA**; Cerretti and Ziegler 2004*Phasia venturii* (Draber-Monko, 1965)Sun and Marshall 2003, **HA**, Asni; **AP** (Essaouira, 4 km E Ounara), **AA** (11 km NW Taliouine, 10 km SE Aït-Ourir) – PCPT

Trichopodini

Trichopoda* Berthold, 1827Trichopoda pennipes* (Fabricius, 1794)Ebejer et al. 2019, **Rif**, Tahaddart (8 m)

Xystini

Xysta* Meigen, 1824Xysta holosericea* (Fabricius, 1805)*

HA

Tachininae

Graphogastrini

Graphogaster* Rondani, 1868Graphogaster vestita* Rondani, 1868*

MA

Phytomyptera* Rondani, 1845Phytomyptera nigrina* (Meigen, 1824)= *Phytomyptera nitidiventris* Rondani, in Bléton and Fieuzet 1939: 64
Bléton and Fieuzet 1939; Mouna 1998

Leskiini

Aphria* Robineau-Desvoidy, 1830Aphria longirostris* (Meigen, 1824)Ebejer et al. 2019, **Rif**, Jnane Niche (46 m)***Bithia* Robineau-Desvoidy, 1863***Bithia demotica* (Egger, 1861)

Tschorsnig and Bläsius 2001; IOBC-list 14 (2005); Tschorsnig 2017

Bithia modesta (Meigen, 1824)

Tschorsnig and Bläsius 2001; Tschorsnig 2017

Linnaemyini + Ernestiini

Gymnochaeta* Robineau-Desvoidy, 1830Gymnochaeta viridis* Fallén, 1810Séguy 1930a, **HA**, Arround (Skoutana); Mouna 1998***Linnaemya* Robineau-Desvoidy, 1830***Linnaemya soror* Zimin, 1954*

MA, HA, AA

Loewia* Egger, 1856Loewia setibarba* Egger, 1856Becker and Stein 1913, **Rif**, Tanger***Panzeria* Robineau-Desvoidy, 1830***Panzeria castellana* (Strobl, 1906)*

HA

Panzeria nemorum (Meigen, 1824)*

MA

Zophomyia* Macquart, 1835Zophomyia temula* (Scopoli, 1763)Séguy 1930a, **AP**, Casablanca, **MA**, Meknès; Mouna 1998; **MA** (Khénifra, Tighassaline, Meknès, Ifrane (NPI)) – PCPT

Macquartiini

Macquartia* Robineau-Desvoidy, 1830Macquartia chalconota* (Meigen, 1824)Ebejer et al. 2019, **Rif**, Smir lagoon; **HA** (Marrakech, Ouirgane, Tizi-n'Test), **AA** (Taroudant) – PCPT*Macquartia macularis* Villeneuve, 1926

Herting and Dely-Draskovits 1993

Macquartia tessellum (Meigen, 1824)= *Macquartia brevicornis* Macquart, in Séguy 1941d: 23Séguy 1941d, **MA**, Meknès, **HA**, Tizi-n'Test; Mouna 1998; **HA** (Imlil, S Asni, Tizi-n'Test), **AA** (Taroudant) – PCPT

Megaprosopini

Microphthalma* Macquart, 1844Microphthalma europaea* Egger, 1860Ebejer et al. 2019, **AA**, Ziz river (30 km N of Erfoud, 894 m)

Minthoini

Hyperaea* Robineau-Desvoidy, 1863Hyperaea femoralis* (Meigen, 1824)

Herting and Dely-Draskovits 1993

Mintho* Robineau-Desvoidy, 1830Mintho compressa* (Fabricius, 1787)

Walker 1849; Herting and Dely-Draskovits 1993

Mintho rufiventris (Fallén, 1817)= *Mintho praeceps* (Scopoli, 1763), in Séguy 1930a: 143; Séguy 1953a: 91Séguy 1930a, **AP**, Rabat, Casablanca, **MA**, Meknès; Séguy 1953a, **SA**, El Aïoun du Draa; Séguy 1949a, **AA**, Tata; Mouna 1998; Dawah 2011; **AP** (Rabat, Salé), **MA** (Meknès) – MISR; **MA** (Meknès, Ifrane (NPI)), **AA** (11 km NW Taliouine) – PCPT***Minthodes* Brauer & Bergenstamm, 1889***Minthodes numidica* Villeneuve, 1932***AA***Minthodes setifacies* Mesnil, 1939= *Minthodes* (*Myxominthodes*) *setifacies* Mesnil, in Mesnil 1939: 211Mesnil 1939, **MA**, Forêt Azrou; Herting and Dely-Draskovits 1993

Plesina* Meigen, 1838Plesina phalerata* (Meigen, 1824)

Herting and Dely-Draskovits 1993; Cerretti and Tschorsnig 2008

Pseudomintho* Brauer & Bergenstamm, 1889Pseudomintho diversipes* (Strobl, 1889)Ebejer et al. 2019, **Rif**, Moulay Abdelsalam (PNPB, 965 m); **AP** (Essaouira, 4 km E Ounara) – PCPT

Siphonini

Actia* Robineau-Desvoidy, 1830Actia infantula* (Zetterstedt, 1844)Ebejer et al. 2019, **Rif**, Tanger (Douar Dakchire forest, 320 m)***Peribaea* Robineau-Desvoidy, 1863***Peribaea apicalis* Robineau-Desvoidy, 1863Ebejer et al. 2019, **Rif**, Dardara (484 m)*Peribaea tibialis* (Robineau-Desvoidy, 1851)

Draber-Mońko 2011

Siphona* Meigen, 1803Siphona geniculata* (De Geer, 1776)⁶⁵Séguy 1930a, **HA**; Mouna 1998; **HA** (Vallée Oued N'fis) – MISR*Siphona maroccana* Cerretti & Tschorsnig, 2007Cerretti and Tschorsnig 2007, **HA**, Asif Mellah, W Tizi-n'Tichka*Siphona variata* Andersen, 1982Ebejer et al. 2019, **Rif**, Sidi Yahia Aârab (377 m), Oued Kbir (PNPB, 157 m)

Tachinini

Germaria* Robineau-Desvoidy, 1830Germaria barbara* Mesnil, 1963***HA*****Peleteria* Robineau-Desvoidy, 1830***Peleteria ruficornis* (Macquart, 1835)***HA, AA*****Tachina* Meigen, 1803***Tachina corsicana* (Villeneuve, 1931)***HA, AA***Tachina fera* (Linnaeus, 1761)Becker and Stein 1913, **Rif**, Tanger; Séguy 1930a, **MA**, Tizi-s'Tkrine, Forêt Tiffert, Sidi Bettache, **HA**, Arround (Skoutana), Jebel Likount; Séguy 1953a,

⁶⁵ *Siphona geniculata*: the identifications of this species in the cited references were made before the revision of the genus by Andersen (1996) and may be mistaken. Although this species could be present in Morocco, this needs to be confirmed.

MA, Ifrane (1650 m); Mouna 1998; **Rif** (fir forest of Talassemtane), **AP** (Dradek) – MISR (**MA**, Meknès); **MA** (Ifrane (NPI)), Béni Mellal, Bin-el-Ouidane), **HA** (Marrakech, Ouirgane) – PCPT

Tachina magnicornis (Zetterstedt, 1844)

Séguy 1930a, **MA**, Ras el Ksar, Aïn Leuh, Sidi Bettache; Mouna 1998; **MA** (Béni Mellal, El Ksiba, 5 km N) – PCPT

Tachina praeceps Meigen, 1824

HA, **AA**

Triarthriini

***Lissoglossa* Villeneuve, 1912**

Lissoglossa bequaerti Villeneuve, 1912

Herting and Dely-Draskovits 1993

New records for Morocco

The data added under the abbreviation “PCPT” (for “personal communication Hans-Peter Tschorsnig”) are based on (unpublished) material which was identified by HPT for several collectors (M. Hauser, M. Hradský, C.F. Kassebeer, U. Koschwitz, J.A.W. Lucas, G. Miksch, H. and T. v. Oorschot, C. Schmid-Egger, M. Schwarz, K. Špatenka, V. Vrabec) during the last ~ 30 years. Usually only a few duplicate specimens were retained in the collection of SMNS. The main part was sent back to the collectors, but the data were noted by HPT on handwritten lists.

Estheria iberica Tschorsnig, 2003

Middle Atlas: Ifrane, National Park of Ifrane, 19.ix.1989, K. Špatenka leg, 1 specimen, PCPT.

Athrycia trepida (Meigen, 1824)

Middle Atlas: Meknès; Ifrane, National Park of Ifrane, 22.v.1995, C. Kassebeer leg., 1 specimen, PCPT.

Eriothrix rufomaculata (De Geer, 1776)

Middle Atlas: Ifrane, Forêt de Cèdres, 29.iv.1999, V. Vrabec leg., 1 specimen, PCPT.

High Atlas: Marrakech, Oukaïmeden, 19.v.1995, C. Kassebeer leg., 7 specimens, PCPT.

Kirbya moerens (Meigen, 1830)

Middle Atlas: Ifrane, Forêt de Cèdres, 29.iv.1999, V. Vrabec leg., 1 specimen, PCPT.

Carcelia lucorum (Meigen, 1824)

High Atlas: Marrakech, Imlil, S Asni, 24.iii.1995, C. Kassebeer leg., 1 specimen, PCPT.

Drino galii (Brauer & Bergenstamm, 1891)

High Atlas: Marrakech, Ouirgane, 24.iii.1995, C. Kassebeer leg., 1 specimen, PCPT.

Anti Atlas: 11 km NW Taliouine; Agadir, Ameskrout, 17.v.1995, C. Kassebeer leg., 2 specimens, PCPT.

Chetogena media Rondani, 1859

Middle Atlas: Béni Mellal, El Ksiba, 30.iii.1995, C. Kassebeer leg., 1 specimen, PCPT.

Exorista rendina (Herting, 1975)

Anti Atlas: 11 km NW Taliouine, 15.iii.1997, M. Hauser leg., 1 male in SMNS; 10 km NE Tafraoute, 14.iii.1997, G. Miksch leg., 1 male in SMNS, PCPT.

Anurophylla aprica (Villeneuve, 1912)

Middle Atlas: Béni Mellal, Afourer, 28.iii.1995, C. Kassebeer leg., 1 female in SMNS, PCPT.

Blepharipa pratensis (Meigen, 1824)

High Atlas: Tizi-n'Test, 2000 m, 21.v.1995, M. Hauser leg., 2 specimens, PCPT.
Anti Atlas: Taroudant, PCPT.

Gonia maculipennis Egger, 1862

Middle Atlas: Ifrane, Forêt de Cèdres, 29.iv.1999, V. Vrabec leg., 1 female in SMNS, PCPT.

Gonia vacua Meigen, 1826

Middle Atlas: Meknès; Ifrane, National Park of Ifrane, 29.iii.1995 and 22.v.1995, C. Kassebeer leg., 2 specimens, PCPT.

Besseria lateritia (Meigen, 1824)

High Atlas: SE Asni, Imlil, 23.v.1995, M. Hauser leg., 2 specimens; Marrakech, Lakhdar, N Demnate, 27.iii.1995, C. Kassebeer leg., 1 specimen, PCPT.

Phania albisquama (Villeneuve, 1924)

Middle Atlas: Ifrane, Forêt de Cèdres, 29.iv.1999, V. Vrabec and L. Vrabcová leg., 1 specimen, PCPT.

Clairvillia biguttata (Meigen, 1824)

High Atlas: Marrakech, Lakhdar, N Demnate, 27.iii.1995, C. Kassebeer leg., 1 specimen, PCPT.

Dionomelia hennigi Kugler, 1978

SA: Boujdour, 8.v.1999, V. Vrabec leg., 1 male in SMNS, PCPT.

Leucostoma crassum Kugler, 1966

High Atlas: Tizi-n'Test, pass 23.vi.1996, U. Koschwitz leg., 1 male in SMN, PCPT.

Weberia digramma (Meigen, 1824)

Anti Atlas: 10 km NW Aït-Baha, PCPT.

Xysta holosericea (Fabricius, 1805)

High Atlas: Marrakech, Lakhdar, N Demnate, 27.iii.1995, C. Kassebeer leg., 1 specimen, PCPT.

Linnaemya soror Zimin, 1954

Middle Atlas: Béni Mellal, El Ksiba, 5 km N; Béni Mellal, Afourer; Khénifra, Tighassaline; Meknès; National Park of Ifrane.

High Atlas: Marrakech, Ouirgane; Marrakech, Tagaddirt, S Asni; Marrakech, Lakhdar, N Demnate.

Anti Atlas: 11 km NW Taliouine, all C. Kassebeer leg., 57 specimens (collected between 25.iii. and 23.v.1995), PCPT.

Panzeria castellana (Strobl, 1906)

High Atlas: Marrakech, Ouirgane, 26.iii.1995, C. Kassebeer leg., 1 specimen, PCPT.

Panzeria nemorum (Meigen, 1824)

Middle Atlas: Meknès; National Park of Ifrane, 22.v.1995, C. Kassebeer leg., 1 specimen, PCPT.

Graphogaster vestita Rondani, 1868

Middle Atlas: Ifrane, Forêt de Cèdres, 29.iv.1999, V. Vrabec leg., 1 specimen, PCPT.

Minthodes numidica Villeneuve, 1932

Anti Atlas: S Aït-Baha, PCPT.

Germaria barbara Mesnil, 1963

High Atlas: S Tizi-n'Test, 1900 m, PCPT.

Peleteria ruficornis (Macquart, 1835)

High Atlas: Marrakech, Ouirgane; Marrakech, Tagaddirt, S Asni; Tizi-n'Test.

Anti Atlas: Taroudant, all C. Kassebeer leg., 6 specimens (collected between 28.ix.1994 and 1.iv.1995), PCPT.

Tachina corsicana (Villeneuve, 1931)

High Atlas: Marrakech, Oukaïmeden, 19.v.1995, C. Kassebeer leg., 1 specimen;

Tizi-n'Test. Anti Atlas: Taroudant, 21.v.1995, M. Hauser leg., 2 specimens, PCPT.

Tachina praeceps Meigen, 1824

High Atlas: Marrakech, Oukaïmeden, 2500 m, 27.vi.1987, M. Schwarz leg., 1 specimen; Tizi-n'Test.

Anti Atlas: Taroudant, 29.vi.1987, M. Schwarz leg., 1 specimen, PCPT.

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Index by families

ACROCERIDAE 175	DIXIDAE 60	PIPUNCULIDAE 234
AGROMYZIDAE 279	DOLICHOPODIDAE 218	PLATYPEZIDAE 233
ANISOPODIDAE 144	DROSOPHILIDAE 306	PLATYSTOMATIDAE 260
ANTHOMYIIDAE 323	DRYOMYZIDAE 275	POLLENIIDAE 340
ANTHOMYZIDAE 284	EMPIDIDAE 215	PSILIDAE 258
ASILIDAE 177	EPHYDRIDAE 309	PSYCHODIDAE 35
ASTEIIDAE 284	FANNIIDAE 326	PTYCHOPTERIDAE 43
ATELESTIDAE 215	HELCOMYZIDAE 275	RHAGIONIDAE 166
ATHERICIDAE 166	HELEOMYZIDAE 298	RHINIIDAE 341
AULACIGASTRIDAE 284	HIPPOBOSCIDAE 319	RHINOPHORIDAE 342
BIBIONIDAE 145	HYBOTIDAE 229	SARCOPHAGIDAE 343
BLEPHARICERIDAE 144	KEROPLATIDAE 151	SCATHOPHAGIDAE 337
BOMBYLIIDAE 188	LAUXANIIDAE 272	SCATOPSIDAE 41
BRAULIDAE 305	LIMONIIDAE 20	SCENOPINIDAE 211
CALLIPHORIDAE 337	LONCHAEIDAE 258	SCIARIDAE 157
CAMILLIDAE 305	LONCHOPTERIDAE 233	SCIOMYZIDAE 275
CANACIDAE 286	MICROPEZIDAE 258	SEPSIDAE 278
CARNIDAE 287	MILICHIIDAE 295	SIMULIIDAE 118
CECIDOMYIIDAE 146	MUSCIDAE 327	SPHAEROCERIDAE 300
CERATOPOGONIDAE 61	MYCETOPHILIDAE 152	STRATIOMYIDAE 162
CHAMAEMYIIDAE 270	MYDIDAE 209	STREBLIDAE 322
CHAOBORIDAE 43	MYTHICOMYIIDAE 210	SYRPHIDAE 235
CHIRONOMIDAE 70	NEMESTRINIDAE 176	TABANIDAE 167
CHLOROPIDAE 287	NYCTERIBIIDAE 321	TACHINIDAE 349
CHYROMYIDAE 296	ODINIIDAE 285	TEPHRITIDAE 260
CLUSIIDAE 285	OESTRIDAE 339	THAUMALEIDAE 143
COELOPIDAE 274	OPOMYZIDAE 285	THEREVIDAE 212
CONOPIDAE 254	PALLOPTERIDAE 259	TIPULIDAE 28
CRYPTOCHETIDAE 306	PEDICIIDAE 27	TRICHOCERIDAE 34, 41
CULICIDAE 43	PHORIDAE 232	ULIDIIDAE 269
DIASTATIDAE 306	PIOPHILIDAE 259	VERMILEONIDAE 174

Index by genera

- Ablabesmyia* 71
Acanthiophilus 263, 264, 266
Acanthogeron 196, 197
Acanthothereva 213
Acartomyia 50
Achaetorisa 311
Aciura 263
Acnephalum 186
Acricotopus 79
Acrocera 175
Acrocholidia 321
Acrosathe 213
Actia 361
Actocetor 309
Actorthia 212
Acutipula 30, 31
Adia 323
Aedes 50, 51, 52
Aedimorphus 50
Afroepitriptus 178
Afroholopogon 184
Agromyza 279, 280, 281, 282
Allodiopsis 152
Allopectrocladius 95
Allotheobaldia 57
Allotrichoma 315, 316
Alluaudomyia 69
Alsomyia 352
Amauromyza 281
Amictus 198, 207
Amobia 343
Amphicestonia 352
Amphisbetetus 184
Amygdalops 284
Anagnota 284
Anahydrophorus 222
Anapausis 41, 42
Anasimyia 237
Anastoechus 192
Anatella 152
Ancylorhynchus 184
Anopheles 44, 46, 47, 48, 49
Anthomyia 323
Anthrax 199, 201, 202, 205, 206
Antiphrisson 178
Anurophylla 354, 363
Aphaniosoma 296, 297
Aphanotrigonum 290, 291, 295
Aphoebantus 201, 208
Aphria 359
Aphrosylus 222
Aplomyia 352
Apoclea 177, 178
Apodacra 343
Apolysis 188
Apotropina 295
Apsectrotanypus 71
Ardoptera 215
Argyra 218, 219, 227
Asilus 178
Asmeringa 316
Asphondylia 146, 147
Assuania 288
Asteia 284
Astomella 176
Asyndetus 219
Atelestus 215
Atherigona 327
Atherix 166
Athrycia 350, 362
Athyroglossa 315
Atissa 317
Atylomyia 353
Atylotus 169, 170, 171, 172, 173, 174
Aulacigaster 284
Aulagromyza 281, 283
Austrolimnophila 24
Austrosciara 157
Avaritia 61, 62
Azana 157
Azelia 327
Bactrocera 261
Baeotendipes 99
Baeoura 20
Baldratia 147
Barraudius 52
Basilia 321
Baumhaueria 354
Bayeriola 147
Bazarella 38
Bellardia 337, 338
Beltranmyia 62
Bercaea 346
Beris 162
Bessa 353
Besseria 356, 363
Bezzia 70
Bibio 145
Bicellaria 229
Bifronsina 301
Billaea 349
Bithia 359
Blaesoxipha 345, 346
Blastomyia 147
Blepharipa 354, 363
Boletina 156
Bombomyia 193
Bombylisoma 193
Bombylius 193, 194, 195, 197, 198, 208
Borborillus 300
Boreoheptagyia 76
Botanophila 323
Brachydeutera 311
Brachylimnophila 24
Brachyopa 235
Brachypalpus 247
Brachytarsina 322
Bradysia 157, 158, 159
Bradysiopsis 159
Braueriella 147
Braula 305
Brevicornu 152
Brilla 79
Bryophaenocladius 79, 80
Buchonomyia 70
Calamoncosis 291
Callicera 236, 237
Calliopum 272
Calliphora 338

- Callostoma* 199
Calythea 325
Camarota 288
Camilla 305, 306
Campichoeta 306
Campiglossa 264
Campsicnemus 227
Camptochaeta 159
Camptocladius 80
Camptopelta 163
Campylomyza 146
Canace 286
Capitites 264
Capnoptera 288
Capparimyia 260
Carcelia 350, 352, 362
Cardiocladius 80
Carpomya 268
Caulochironomus 103
Cellia 47, 48, 49
Cephalopina 339
Ceracia 351
Ceratitis 261
Ceratochaetops 354
Ceriana 237
Cerodontha 281
Ceromasia 355
Ceroptera 301
Ceroxys 269
Cetema 288
Chaetoapnaea 311
Chaetocladius 80, 81
Chaetopodella 301
Chaetorellia 267
Chaetostomella 267
Chalarus 234
Chalcochiton 198, 199
Chamaedipsia 216
Chamaemyia 270, 271
Chamaepsila 258
Chamaerops 9
Chaoborus 43
Cheilosia 245, 246
Cheilotrichia 20
Chersodromia 229
Chetogena 353, 354, 363
Chetostoma 269
Chironomus 99, 100, 101
Chlorichaeta 315
Chloromyia 164
Chlorops 287, 288, 289, 290
Chorisops 162
Chromatomyia 281, 282
Chrysanthemyia 213
Chrysogaster 235, 236, 239
Chrysomya 338
Chrysopilus 166
Chrysops 167
Chrysotimus 225
Chrysotoxum 249, 250
Chrysotus 219
Chyromyia 298
Cladopelma 101
Cladotanytarsus 110, 111, 115
Clairvillia 357, 363
Clanoneurum 310
Claraeola 234
Clemelis 355
Clinocera 215, 216
Clistoabdominalis 234
Clogmia 38
Clusioides 285
Clytiomyia 357
Coboldia 41
Coelopa 274
Coelosia 156
Coenosia 329
Compsilura 351
Conchapelopia 72
Conioscinella 291, 293
Cononedys 202, 208
Conophorus 195, 196, 207
Conops 254, 255, 256
Contarinia 147, 148
Coproica 301, 302
Copromyza 300
Coptophlebia 217
Coquillettidia 59
Cordyla 152, 153
Corynoneura 81
Corynoneurella 82
Corynoptera 159, 160
Cosmina 341
Crataerina 319, 320
Craticulina 343
Cricotopus 82, 83, 84, 85
Crocidium 198, 208
Crosskeyellum 122
Crossopalpus 229, 230
Crumomyia 300
Cryptochaetum 306
Cryptochetum 306
Cryptochironomus 101
Cryptonevra 289
Culex 52, 53, 55, 56, 57
Culicella 58
Culicoides 61, 62, 63, 64, 65, 66, 67, 68, 69
Culiseta 57, 58, 59
Cylindromyia 356
Cyllenia 199
Cyrtisiopsis 211
Cyrtophloebea 350
Cyrtosia 210, 211
Cyrtus 175
Cytharea 199, 200, 208
Dactylolabis 21, 23
Dacus 261
Dahliana 50
Dalmannia 256
Dasineura 148
Dasiops 258
Dasybasis 169
Dasydorylas 234
Dasyhelea 70
Dasymolophilus 23
Dasyphora 332
Dasygogon 181
Dasyrhamphis 169, 170
Dasysyrphus 250
Delia 323, 324
Demicryptochironomus 101
Desmatoneura 207
Desmella 265
Desmometopa 295
Diamesa 77, 78
Diaphorus 219
Diasemocera 310
Diastata 306
Dichaetophora 276
Diclasioipa 314

- Dicranomyia* 25, 26
Dicranophragma 24
Dicranoptycha 26
Dicranota 27, 28
Dicrodiplosis 148
Dicrotendipes 101, 102
Dilophus 145, 146
Dioctria 182, 183
Dionomelia 358, 363
Diplonevra 232
Dischistus 196, 197
Discocerina 314, 315
Discomyza 310
Ditaeniella 275
Ditrichophora 314
Dixa 60, 61
Dixella 61
Dizygomyza 281
Docosia 156
Dolichocephala 215
Dolichopeza 28
Dolichopus 219, 220, 221
Dolichotachina 343
Dorycera 269
Drapetis 229, 230
Drino 350, 352, 363
Drosophila 306, 307, 308
Dryomyia 148
Dryope 275
Dryxo 317
Dufouria 349
Dysmachus 178, 179
Eccoctopus 179
Eclimus 197
Ectaetia 41
Ectinocerella 169
Ectophasia 357
Efflatounia 197
Elachiptera 287, 291, 292, 295
Elaphropeza 230
Elephantinosoma 316
Elgiva 276
Eliazeta 357
Ellipteroides 20, 21
Eloeophila 24
Elomya 358
Emodotipula 31
Empeda 20
Empidideicus 210
Empis 217
Endochironomus 102
Engelepogon 179
Ensina 263
Ephydra 312
Epidapus 160
Epimadiza 292
Epistrophe 250, 252
Episyrphus 250
Epithalassius 222
Epitriptus 179
Eremisca 179
Eremonotus 178
Erioconopa 21
Eriopogon 184, 185, 186
Erioptera 21
Eriothrix 350, 362
Eristalinus 237, 238
Eristalis 237, 238, 242, 288
Estheria 349, 362
Etsuhua 149
Euaresta 265
Eudactylocladius 90
Eudorylas 234
Euestelia 271
Eukieferiella 85
Euleia 268, 269
Eumerus 239, 240, 241
Euorthocladius 91
Eupeodes 250, 251, 252
Euphyllidorea 24
Euptilostena 22
Eurina 289
Eusimulium 121, 122, 123, 124, 125
Euthycera 276
Eutolmus 179, 180
Eutropha 287, 289
Exechia 153
Exechiopsis 153
Exhyalanthrax 205
Exoprosopa 203, 204
Exorista 354, 363
Fallenia 177
Fannia 326, 327
Feltiella 149
Ferdinandea 246
Filiolus 179
Fucellia 324
Gaedia 355
Galactopogon 185
Gasterophilus 339
Geomyza 285
Gephyraululus 149
Germaria 361, 364
Geron 191, 192, 207
Gitona 309
Glabellula 210
Glenanthe 316
Glyphotriclis 183
Glyptotendipes 103
Gonia 355, 363
Goniurellia 265
Gonomyia 20, 21, 22
Graphogaster 359, 364
Graphomya 334
Grassomyia 37
Greniera 120
Gymnochaeta 359
Gymnochiromyia 298
Gymnoclasiopa 315
Gymnodia 335
Gymnomus 298
Gymnophryxe 353
Gymnopternus 220
Gymnosoma 357
Habropogon 185, 186
Haematobia 334
Haematopota 170, 171
Halmopota 312
Halocladius 88
Haloscatella 313
Hapleginella 292
Harnischia 103
Hebecnema 335
Hecamede 316
Hecamedoides 315
Helcomyza 275
Heleniella 88
Helicophagella 346, 348
Helina 335, 336

- Helius* 27
Helodon 118
Helophilus 239
Hemerodromia 216, 217
Hemipenthes 205
Heptatoma 171
Hercostomus 220, 221
Herina 269
Heringia 247
Heteralonia 204
Heteronychia 346, 347, 348
Heteropogon 184, 185, 186
Heterotrissocladius 88
Heterotropus 192
Hexatoma 24
Hilara 218
Hippobosca 320
Hirtodrosophila 308
Holoclera 218
Holoconops 70
Holopogon 184, 186
Holotanypus 75, 76
Homalometopus 316
Homolonia 204
Homoneura 272, 273
Hoplolabis 22
Hoplosathe 213
Houardiella 149
Hyadina 319
Hybomitra 172
Hydrellia 317, 318
Hydrobaenus 88
Hydrodromia 215
Hydromya 276
Hydrophorus 222, 223
Hydrosmittia 88
Hydrotaea 327, 328
Hylemya 324
Hypenidium 263
Hyperaea 360
Hypoderma 339
Hypovoria 350
Icosta 320
Icteromyza 281
Idiocera 22
Ighboulomyia 235
Ilione 277
Ilisia 22
Irmakia 101
Ischiodon 251
Ischiolepta 305
Isocladius 84
Istocheta 351
Iteomyia 149
Jaapiella 149
Keroplatus 151
Kiefferulus 103
Kimosina 303
Kirbya 350, 362
Kloosia 103
Kowarzia 216
Krenosmittia 88, 89
Kritempis 217
Lagaroceras 289
Lamprolonchaea 259
Lampromyia 174, 175
Lamproscatella 313
Laphria 183
Lapposyrphus 252
Larrousius 35, 36
Larsia 72
Lasiochaeta 292
Lasiopa 162
Lasioptera 149
Lasiosina 289
Lauterborniella 104
Legnotomyia 196, 207
Leia 156
Leopoldius 255
Leptempis 217
Leptocera 301, 302
Leptoconops 70
Leptogaster 184
Leptometopa 295
Leptomydas 209
Leptosciarella 160
Lestodiplosis 149
Lestremia 146
Leucophenga 309
Leucophora 324
Leucopis 271, 272
Leucostoma 358, 363
Leylaiya 210
Liancalus 223
Limnelli 313
Limnophora 330, 335
Limnophyes 89
Limonia 26, 27
Limosina 301, 302
Lindneromyia 233
Linnaemya 359, 364
Liopygia 347, 349
Liosarcophaga 347
Lipoleucopis 272
Liponeura 144
Lipoptena 321
Liriomyza 282
Lispe 330, 331, 332
Lispocephala 329, 330
Lissoglossa 362
Lithotanytarsus 111
Loewia 359
Logima 40
Lomachantha 351
Lomatia 200, 201
Lonchaea 259
Lonchoptera 233, 234
Lordiphosa 308
Lotobia 305
Lotophila 301
Lucilia 338
Ludicia 28
Lumpetia 237
Lunatipula 31, 32, 33
Lyciella 273
Lycoria 161
Lycoriella 160
Machaerium 223
Machimus 179, 180
Macquartia 360
Macrocera 152
Macronychia 344, 348
Macropelopia 71
Madiza 296
Maillotia 56
Mallota 239
Mayetiola 150
Medetera 219, 224
Megaselia 232
Meiosimyza 273
Melanagromyza 280

- Melanochthiphila* 271
Melanogaster 239
Melanolimonia 26
Melanophora 342
Melanosoma 256
Melanostoma 247, 248
Melieria 269
Melinda 338
Meliscaeva 252
Melophagus 321
Meoneura 287
Merleus 197
Merodon 241, 242, 243, 244
Meromyza 287, 289, 290
Mesoclis 204
Mesopsectrocladius 95
Mesorthocladius 91
Metacnephia 120, 122
Metopia 344
Metopostigma 290
Metriocnemus 89, 90
Micomitra 204
Microchironomus 104
Micromorphus 225, 226
Micropeza 258
Microphorella 225
Microphthalma 360
Micropsectra 111, 112
Microsania 233
Microtendipes 104, 105
Micrusia 189, 190
Milesia 244
Milichia 296
Milichiella 296
Miltogramma 344
Minettia 273, 274
Minilimosina 302
Mintho 360
Minthodes 360, 364
Mochlonyx 43
Molophilus 22, 23
Monardia 146
Monoculicoides 64
Morellia 332
Mormia 38
Mosillus 315
Musca 332, 333, 345
Muscidideicus 220
- Muscina* 328
Myathropa 239
Mycetaulus 259
Mycetophila 154, 155
Mycomya 157
Mycophaga 325
Myolepta 236
Myopa 254, 256, 257
Myopites 262
Myorhina 347, 348
Myospila 335
Mythenteles 210
Nanocladius 90
Nanoplusia 350
Napomyza 282
Nemestrinus 176, 177
Nemopoda 278
Nemorilla 356
Nemotelus 163
Neoascia 236
Neoculex 57
Neoepitriptus 180
Neoleria 298, 300
Neolimnomyia 24
Neomochtherus 180
Neomyia 333, 334
Neorhynchocephalus 177
Neoscatella 313
Neotherevella 213
Nephrotoma 28, 29, 30
Neurigona 225
Nevermannia 124, 125, 126, 127, 128, 129, 130
Nilea 353
Nilotanypus 72
Norellia 337
Norrbonia 301
Nostima 319
Notiphila 318
Novakia 156
Nubensia 105
Nycteribia 321
Nyctia 345
Obuchovia 139, 140
Ochlerotatus 50, 51
Ochthera 316
Ocydromia 229
Odinia 285
- Odontomesa* 79
Odontomyia 165
Oecacta 64, 65, 66
Oedaspis 261
Oestranthrax 204
Oestrus 339
Ogcodes 175
Oligolimnia 277
Oligotrophus 150
Omphrale 211, 212
Opacifrons 302
Opalimosina 302
Ophiomyia 280
Oplisa 342
Opomyza 285
Opsebius 176
Orchisia 330
Ornithoica 320
Ornithomyia 320
Ornithophila 320
Oropezella 229
Orseolia 150
Orthoceratium 223
Orthocladius 90, 91, 92, 93
Orthonevra 236
Orthopodomyia 59
Ortochile 221
Oscinella 292, 293
Oscinimorpha 293
Oscinisoma 287, 292, 293
Otites 269
Oxyaciura 263
Oxycera 164
Pachyanthrax 204
Pachycerina 274
Pachygaster 163, 164
Pachymeria 217
Pachypericoma 39
Pales 29, 30, 355
Palloptera 259
Palpomyia 70
Pandelleana 348
Pangonius 168, 169
Panimerus 38
Panzeria 359, 364
Paraboreochlus 70
Parachironomus 105
Paracladopelma 105, 106

- Paracoenia* 312
Paracricotopus 93
Paradicranota 28
Parageron 188, 189
Paragus 248, 249
Parakiefferiella 93
Paralauterborniella 106
Paralimosina 302
Paramerina 72, 73
Parametriocnemus 93, 94
Paramormia 38
Paranapaea 312
Paraphaenocladus 94
Paraphlebotomus 36
Parasarcophaga 347, 348
Parascaptomyza 309
Parascatopse 41
Paratanytarsus 112, 113
Paratendipes 106
Parathalassius 225
Parathyroglossa 315
Paratrachocladus 84, 85
Paratrissocladus 94
Paregle 324
Parhelophilus 239
Parilisia 22
Parochthiphila 271
Parorthocladus 94
Parrotomyia 37
Parydra 311, 312
Pashtshenkoa 180
Paykullia 342
Pegomya 325, 326
Pegoplata 326
Peleteria 361, 364
Pelina 319
Penicillidia 322
Pentaneurella 73
Pentapedilum 106, 107
Peplominettia 274
Perasis 183
Peribaea 361
Pericoma 38, 39
Periscepsia 350
Perissocerus 209
Petrorossia 207
Phaenopsectra 106
Phania 356, 363
Phaonia 336, 337
Phasia 357, 358
Pherbellia 275, 276
Pherbina 277
Phileris 180
Philolutra 216
Philosepedon 40
Philotelma 313
Philygria 319
Phlebosotera 284
Phlebotmus 37
Phlebotomus 35, 36, 37
Phorbia 325
Phortica 309
Phronia 155
Phryxe 353
Phthiria 191
Phthiridium 322
Phthitia 303
Phycus 212
Phyllodiplosis 150
Phyllomyza 296
Physegastrella 176
Physiphora 270
Physocephala 254, 255, 256
Phyto 343
Phytoliriomyza 282, 283
Phytomyptera 359
Phytomyza 280, 281, 282, 283
Piophila 259
Pipizella 247
Pipunculus 234
Platycephala 290
Platycheirus 248
Platymya 355
Platynochaetus 244
Platyopsis 221
Platypalpus 230, 231
Platystoma 260
Plesina 361
Plesiocera 204
Pneumia 39, 40
Poecilobothrus 221
Poecilosomella 303
Poemyza 281
Pogonosoma 183
Polietes 334
Pollenia 340, 341
Polyblepharis 217
Polyodaspis 292, 294
Polypedilum 105, 106, 107, 108, 109
Polytrichophora 315
Pontoculicoides 65, 66
Potthastia 78
Powellii 263
Prochyliza 260
Procladius 75, 76
Prodiamesa 79
Prokempia 70
Prorachthes 197
Prosimulium 118, 119, 120
Prosopomyia 272
Protanypus 78
Protoclythia 233
Protogonomyia 20, 21
Protomiltogramma 344
Psacadina 277
Psectrocladius 95
Psectrosciara 41, 42
Psectrosema 150
Psectrotanypus 71
Pselaphia 294
Pseudexechia 153
Pseudocollinella 303
Pseudoculicoides 70
Pseudodiamesa 78
Pseudoficalbia 60
Pseudogonia 356
Pseudolimnophila 25
Pseudolycoriella 161
Pseudolynchia 320
Pseudomintho 361
Pseudonapomyza 283
Pseudopachychaeta 290
Pseudophysocephala 256
Pseudorthocladus 96
Pseudosmittia 88, 95, 96
Psilocricotopus 96, 97
Psilopa 310, 311
Psilota 247
Psilotanypus 76
Psyca 40
Psychoda 40
Psychodocha 40
Ptesiomyia 353

- Ptilomyia* 317
Ptychoptera 43
Pullimosina 303
Puncticorpus 303
Pycnomalla 162
Pycnopogon 186
Pyrellia 334
Quateiella 42
Rachispoda 303, 304
Ravinia 348
Raymondia 322
Reichertella 41, 42
Remmia 66
Resseliella 150, 151
Rhamphomyia 218
Rhaphium 219, 226
Rhegmoclemina 42
Rheocricotopus 96, 97
Rheomus 109
Rheopelopia 73
Rheotanytarsus 113, 114
Rhexoza 42
Rhinia 341
Rhinoestrus 339
Rhodesiella 294
Rhopalia 209
Rhopalomyia 151
Rhyncomya 341, 342
Riponnensia 236
Rivellia 260
Robinaldia 351
Roederella 216
Rubzovia 130, 131
Rusticoidus 51
Rymosia 153
Sabroskyina 294
Salentia 212
Saltella 278
Saltrichocera 35
Sapromyza 273, 274
Sapromyzosoma 274
Sarcophaga 346, 347, 348, 349
Sarcophila 345
Saropogon 181, 182
Satanas 180
Satyramoeba 202
Savtshenkia 33
Scaeva 252, 253
Scaptodrosophila 309
Scaptomyza 308, 309
Scatella 313, 314
Scathophaga 337
Scatophila 314
Scatopsciara 161
Scatopse 41, 42
Scenopinus 211, 212
Sceptonia 155
Schistostoma 225
Schizomyia 151
Schoenomyza 330
Schoenophilus 224
Schwenckfeldina 161
Sciapus 226, 227
Sciara 161
Sciophila 157
Scytomedes 183
Semiramis 198
Senometopia 353
Senotainia 344
Sensiculicoides 66, 67, 68
Sepedon 277
Sepsis 278, 279
Sergentomyia 37
Servaisia 346
Setacera 313
Sicus 257
Silba 259
Silvaticulicoides 69
Silvius 167, 168
Simulium 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142
Sintonius 37
Siphona 361
Siphonellopsis 295
Siphunculina 294
Sisyrnodytes 186, 187
Smittia 97
Sophophora 307, 308
Spathulina 265
Spelobia 304
Sphaeniscus 263
Sphaerocera 305
Sphaerophoria 253
Sphenella 265
Spheniscomyia 263
Sphiximorpha 237
Spilomyia 244
Spinilimosina 304
Spogostylum 202, 203
Stefaniella 151
Stefaniola 151
Stegomyia 51, 52
Stempellina 115
Stempellinella 115
Stenepteryx 320
Stenochironomus 109
Stenomphrale 212
Stenopogon 181, 186, 187
Stevenia 343
Stichopogon 187, 188
Stictochironomus 109, 110
Stigmatomeria 153
Stilpon 230
Stiphrolamyra 183
Stomina 350
Stomorhina 342
Stomoxys 334
Stratiomys 165
Sturmia 352, 356
Subhylemyia 325
Suillia 299, 300
Svarciella 302
Swammerdamella 42
Sybistroma 219, 221
Syllegomydas 209, 210
Sylvicola 144
Symplecta 23
Symposiocladius 93
Symptothastia 78
Sympycnus 227
Synapha 156
Syndiamesa 78
Synorthocladius 97
Syntormon 227, 228
Syritta 244, 245
Syrphus 243, 250, 251, 252, 254
Systoechus 197
Tabanus 169, 171, 172, 173,

- 174
Tachina 361, 362, 364
Tachydromia 231, 232
Tachytrechus 219, 221, 222
Tanypus 76
Tanytarsus 110, 113, 115, 116, 117
Tarnania 154
Taxigramma 344
Telmatopelopia 74
Telomerina 304
Telopelopia 74
Temnostoma 245
Tephritis 263, 265, 266, 268
Tephritomyia 266
Tephrochlamys 298, 300
Terellia 267, 268
Tetanops 270
Tethina 286, 287
Tetragoneura 156
Teuchophorus 228
Thaumalea 143
Thaumatomyia 290
Thecodiplosis 151
Thecophora 254, 257
Thelaira 350
Themira 279
Thereva 213, 214
Thevenetimyia 198, 208
Thienemannia 97, 98
Thienemanniella 98
Thienemannimyia 74
Thinophilus 223, 224
Thoracochaeta 304
Thricops 328
Thrypticus 225
Thyridanthrax 205, 206, 208
Thyrsoenema 348
Tinearia 40
Tipula 30, 31, 32, 33, 34
Tomosvaryella 235
Tonnoiriella 38
Toxophora 192
Trachyopella 304
Trachysiphonella 294
Trichardis 183
Trichocera 34, 35
Trichodagmia 139, 140
Trichonta 155
Trichopoda 358
Trichopsidea 177
Tricimba 294, 295
Tricogena 343
Tricyphona 28
Triglyphus 247
Triplasius 197
Tripodura 108
Trissocladius 98
Trissopelopia 75
Trixoscelis 299, 300
Trupanea 267
Trypetoptera 277
Tryphera 353
Turka 181
Turkmeniella 203
Tvetenia 98, 99
Uclesia 351
Ulidia 270
Uranotaenia 60
Uresipedilum 108, 109
Urophora 262
Urosimulium 120
Usia 188, 189, 190
Vanoyia 164
Veribubo 206, 209
Vermileo 175
Vestiplex 34
Villa 206, 207, 211, 331, 333
Villeneuveiella 342
Virgatanytarsus 117, 118
Volucella 190, 246, 247
Voria 351
Wagneria 351
Weberia 358, 363
Wiedemannia 216
Wilhelmia 141, 142
Wirthomyia 69
Wohlfahrtia 345
Xanthandrus 248
Xanthempis 217
Xanthocanace 286
Xanthochlorus 228
Xanthogramma 254
Xenochironomus 110
Xenopygina 161
Xenopelopia 75
Xylopriona 146
Xylota 245
Xysta 359, 363
Yamatotipula 34
Zaira 351
Zalutschia 99
Zaprionus 309
Zavrelia 118
Zavreliomyia 75
Zephyrectes 195
Zeuxia 349
Zodion 257
Zophomyia 360
Zygodiola 204
Zygomyia 155

Index by species

- abbreviata* 200
abbreviatum 358
aberrans 241, 349
aberrata 77
abiens 279
abscondita 21
acarisuga 149
acifer 108
acrosticalis 303
actites 286
aculeata 256
acuticornis 80, 98, 255, 283
adaucta 71
adipata 259
adjuncta 24
adjunctum 24
adumbratus 226
adusta 306, 308

- aeacus* 203
aegypti 51
aegyptiaca 263
aegyptiacum 198, 208
aegyptiacus 176, 254
aegyptica 347
aegyptium 108
aegyptius 251
aenea 190, 237, 241, 319
aenescens 229, 327
aeneus 229, 237, 241
aenigmatica 273
aequalipes 310
aerivaga 230
aerivagus 185
aestivalis 61
aestivus 79
aethiops 201
afer 205
aff. brevicaudis 234
aff. equitans 296
aff. halterata 234
affinis 25, 148, 153
aff. negroboli 227
aff. roghii 224
afriberia 34
africa 346
africana 37, 151, 305, 343
africanus 219
agathensis 68
aglotia 211
agraria 160
agrayloides 104
agrestis 171
agricola 171
aharonii 294
alaris 276
alatus 109
albaminis 193
albatus 196
albellus 187
albibarbus 219
albicans 316
albiceps 338
albicincta 211, 325
albicinctus 211
albicorne 107
albifacies 207
albiforceps 82
albifrons 248, 317, 344, 353
albimana 43
albimanus 106, 248
albipennis 40, 95, 102, 279, 315
albipes 225
albipilosa 287, 289
albipunctata 38
albiseta 277
albisetosus 178
albisquama 356, 363
albisutus 117
albofasciata 332
albofasciatus 101, 187
albogilva 191
alboguttata 286
albohalterata 215
albolineata 199, 208
albolineatus 89
albomaculata 252, 296
albomaculatus 252
albopictus 52
albopilosa 229
alboscuteclatus 20
albosegmentatus 204
albosetulosa 286
albostratus 250
albula 207
alceae 270
alea 154
alexandri 36
alexandrina 199
alexandrinus 170
algecirasensis 218
algerica 262
algeriensis 44
algira 164, 170, 177, 204, 215, 262, 276
algerica 209, 214
algericus 209
algerum 193
algerus 167, 169
alluaudi 28, 29, 168, 230
almeriensis 218
almi 115
alolena 165
alphonsi 205
alpicola 97, 157
alpinus 168
alternata 40
alticola 144, 216
ambigua 156, 279, 307
ambiguus 248
ambustus 193
amentaria 340
amica 346
amicorum 166
amoena 267, 284
amoenus 239
ampullifera 22
analisis 30, 193
anancitis 212
ancyla 85
andalusiaca 23, 111, 289, 308
andalusiacus 219
andalusica 159
angulata 165, 303
angustata 351
angusteoculatus 206
angusticornis 240
angustifrons 190, 232, 333
angustigenis 317
angustipes 122
angustitarse 124
annularius 99
annulata 35, 58, 213, 326
annulator 82
annulatus 230
annulimana 232
annulipes 271, 318
anomala 157
anomalicerus 230
anomalitarsis 230
anomalus 76
anormalipennis 30
ansatus 117
antachates 343
antennata 37, 329, 355
anthracias 292
anthracinus 169
anthrax 201, 328

- antipedalis* 145
antiqua 323
anubis 165
aonidiellae 149
apennina 350
apicalis 179, 217, 270, 274, 285, 331, 341, 361
apicatus 262
apiformis 186
apollo 220
appendiculata 29
appendiculatum 219, 226
appendiculatus 185, 221
apposita 111
approximata 299
approximatum 296
approximatus 230
aprica 354, 363
aprilina 281
aprilinus sensu 99
aquila 312
arbustorum 238
arcuata 293
arcuatus 252
arduennensis 117
arenacea 204
aretaologus 181
argentifrons 198
argentina 218
argyria 219
argyrocephala 199, 344
argyrocephalus 199
argyrogenis 317
argyrostoma 347, 349
arias 35, 142
aridella 270
aristata 111
aristella 259
armata 317
armipes 327, 328
arpadi 172
arrasus 241
arrogans 232
arsona 156
arundineti 107
asetosa 332
ashei 91
asiliformis 166
asniensis 231
asparagi 148
assimilis 220, 328, 330
astigma 29
ater 169, 176
aterrima 97, 162, 168, 342, 355
athletica 287, 289
atlantea 235
atlantica 199
atlanticus 192
atlantidis 281
atlas 33, 132, 317
atlasi 235, 248
atlasicum 136
atlasicus 298
atomaria 161
atomarius 160
atra 38, 163, 213, 247, 257, 283, 301, 329, 355
atrata 190
atratura 283
atratus 181
atriceps 163
atricornis 282
atridorsum 110
atrior 343
atripes 96, 349
atrocincta 72
atrofasciata 111
atrogonius 255
atropivora 352
atrorubens 182
attenuata 329
attica 61
audacula 324
audcenti 193
augur 264
aulicus 227
aurata 189
aurea 199, 259
aureoscutellata 213
aureus 166, 241
auricollis 252
auricoma 139
aurifer 241
auriflua 162
aurifrons 182, 344
auripila 243
auripilus 181, 196, 243
australis 239
autumnalis 172, 332
avenae 150
avicularia 320
avida 242
avidus 242
azerbajdzhanicus 64
azurea 216
baccha 203
bacescui 185
badooshensis 66
baezi 304
bagdadensis 204
bahirae 192
balanina 346
balfouri 60
baliogastra 299
balteata 250
balteatus 250
balticus 90, 222
barbara 361, 364
barbarensis 34
barbarica 39, 164, 215
barbaricum 141
barbarus 172, 178, 239
barbata 169
barbatipes 75, 95
barbatula 216
basalis 235, 240
baueri 95
bausei 115
bavarica 98
beaucournui 153
beckeri 82, 156, 178, 216, 280, 347
bedmari 85
belgiana 348
bella 345, 356
bellicosum 316
bellus 195, 207, 225
belzebul 200
bengalensis 331
benoisti 162, 170, 351

- bequaerti* 242, 362
berber 250
berbera 197
berberi 75
berberum 137
bergeroti 36
berkanea 74
berlandi 50, 209, 210, 331
berlesiana 149
bernardi 143
bernensis 99
berthelemyi 96
bertrami 77
betae 325
bethiana 216
bezziana 341
bezzii 132
biarcuata 155
biarcuatus 243
biarticulata 322
biarticulatum 322
bicaudata 279
bicincta 153
bicinctum 249
bicinctus 82
bicolor 24, 190, 243, 248, 256, 299, 300, 325, 340, 356
bicrenatum 108
bicuspidata 159
bidentata 111
bifarius 173
bifida 79, 283
biflexuosa 278
bifrons 301
bifurcata 233
bigoti 170
biguttata 357, 363
bilobata 151
bimaculata 27, 156, 172, 291, 355
bimaculatus 249
binotata 201, 213
binotatus 201
bipartita 263
biplex 185
bipunctata 213, 216, 330
biseriata 273
biseta 219, 333
bisetus 223
biskrae 310
bispinosus 145
bispinulosa 159
bistrigata 299
bituberculatus 112
bivittata 31, 312
blanci 120, 121
blandula 39
blasigii 225
boergei 230
boghariensis 197
boletina 285
bomboides 183
bombylans 245
boreoalpina 88
boreoalpinus 93
bouazzai 236
bouillonae 201
bovinus 173
bovis 339
brachialis 329
brachyntera 151
brachystoma 304
branickii 78
brassicae 148, 324
brassicaria 356
brehmi 85, 95
breviantennata 33
brevicalcar 85
brevicaudis 234
brevicorne 226
brevicornis 42, 168, 214, 236, 311, 360
brevicostata 304
brevidens 126
brevior 303
brevipalpis 76, 84, 98
brevipennis 180
brevipetiolatus 75
brevis 115, 186
breviusculum 193
breviventris 313
brisiaca 281
britannica 154
britteni 104
bromius 173
brumpti 52
brundini 115
brunnea 206
brunnescens 172, 204
brunnipennis 245
brunnipes 179
bryoniae 149, 282
buboniae 151
buccata 256
bucheti 164
bueni 210
bulbigera 157
bullans 265
busckii 306
buxtoni 59
buzzatii 307
caballeroi 240
cabanerensis 242
cadaverina 334
caducus 82
caecutiens 167
caenosa 302
caesarion 333
caesia 331
caesius 298
caesula 159
caffrarius 109
calcaratus 242
calceata 314
calceatus 231
calcitrans 334
caliendrata 350
caliginosum 226
calipterus 100
callopi 341
callosicosta 313
calloti 69
caloptera 26
calvescens 98
camelina 320
cameraria 308
acutipennis 305, 319
camptolabis 105
camptophleps 89
canariensis 220, 320
candelisequa 28
candicans 331
canescens 193, 299

- canicularis* 326
cantolraensis 273
capensis 110, 320, 328
capitata 261, 281, 355
capparis 146
capreoli 321
capucina 203
capucinus 80
carbonaria 161
cariciphila 292
carlestolrai 234
carmela 342
carmen 265
carnea 74
carophila 149
carpocoridis 357
carriana 81
carthaginiensis 353
carthusiense 127
casei 259
caspius 50
castaneus 198
castellana 359, 364
cataneii 66
caudata 353
caudatula 60
cauliginellus 103
cavernicola 157
caviceps 314
ceballosi 206
celtica 81
cenisia 165
ceratophylli 113
ceriaeformis 255
cervinus 181
cf. bispinosus 145
cf. fulvofasciata 97
cf. furcatus 79
chabaudii 36
chadlii 35
chalconota 360
chalybeatus subsp. *chalybeatus* 96
chalybeus 242
chetifer 220
chillcotti 231
chinyensis 115
chloris 104
chnumi 316
chopardi 217
chorea 25
choreus 75
choumara 74
choumarae 173
christophersi 37
chrysanthemi 213
chrysonotus 231
chrysorrhoea 255
cicerina 282
cichorii 282
ciliata 303, 313
cilicrura 324
cilifemorata 235
ciliforceps 279
cilipeda 355
cilitarsis 331
cimbiciformis 239
cimiciforme 310
cinninata 159
cincta 20, 214, 294, 336
cinctella 252
cinctellum 290
cinctellus 252
cinctipes 289
cinctus 37, 144, 210, 248
cinerascens 20, 155, 157, 193, 257
cinerea 40, 200, 222, 318, 324, 328, 351
cinereicolor 31
cinerella 275, 323
cinereum 257
cinereus 47, 222
cingulata 72, 206
cingulatus 163, 179
circeoides 203
circumdata 206
circumscripatus 62
clara 310, 335
claridgei 297
claripennis 28, 85, 190, 341
clastrieri 66
claussenii 236
clausus 182
clavatum 357
clavicornis 98
claviger 44
clavipes 41, 145, 242
cleomene 203
clunipes 304
clydei 36
clypeata 86, 284
clypeatus maroccanus 180
coadunatus 249
coarctata 312, 324
cocciferae 150
cochleatus 178
codinai 227, 274
coeca 305
coerulescens 86
cogani 318
cognata 312
cognatum 287, 293
collarti 101
collini 297
colluzzii 65
colon 267
columbina 341
coluzzii 51
combinata 285
composita 310
compressa 360
compressus 198
compta 311
comtus 248
concava 152
concininata 351
confinis 104, 352
confluens 217
conformis 88
confusa 33
confusus 112
congesta 282
conglomerata 147
congrua 262
conjuncta 267
connexa 355
connexus 167
conopsoides 237
consobrinus 219, 221
conspicua 322
constans 241
contaminata 43
contempta 340

- contingens* 97
continua 357
contracta 111, 237
convictum 108
conyzae 283
coprina 304
cordatus 101
cordiger 173
coremura 153
cornicina 333, 334
cornicula 31
cornigera 190
cornuta 287, 291
corollae 250, 251
coronata 81, 93, 271
coronatum 255
coronatus 255
corsicana 361, 364
corsicanus 222
corvina 333
coryleti 277
coryli 263
costae 226
costalis 212
costarus 186
costata 177, 330
costatum 127
costatus 177, 186
cothurnata 182, 326
coxata 302
crabroniformis 178, 244
crassicornis 152, 153, 170, 232
crassipalpis 197, 347
crassipennis 357
crassum 358, 363
crassus 181
crataegi 148
acutipennis 305, 319
cretensis 115
cribratus 179
crinita 158, 216, 263
crinitarsis 227
crispa 189
cristatus 178
cristulatus 228
crocea 210
crocotula 24
croci 203
cruciatu 195
cryophilum 128
cryptocrispa 189
crystallinus 43
ctenopterus 197
cubitalis 67
cucularia 276
cucullans 346
culiciformis 43, 76
cultellatum 109
cuprea 190
curticalcar 72
curtilamellata 103
curtistylus 96, 113
curvata 299
curvilinea 161
curvinerve 269
curvinervis 287, 289
curvipalpis 280
curvipennis 288
curvipes 227, 305
cyanea 86
cyanella 332
cyanescens 341
cydoniae 281
cylindrica 174, 184, 267
cylindricornis 163
cylindricus 181
cynipsea 278
cynodontis 150
cypriacus 262
cyrtus 176
cytisi 147
czernyi 335
dadesi 111
dalmatica 357
danconai 95
danielssoni 163
daphnea 261
darimonti 173
dasynotus 178
debruyni 235
decellei 347
deceptoria 343
decipiens 329
decora 217
decrepita 203
deflexa 154
degeeri 175
delicata 200
deligata 354
demandata 270
demnatensis 230
demotica 359
dentatus 202
denticornis 281
denticulatus 228
dentiforceps 80, 159
dentipes 328
denudatus 186
deribae 104
derisor 66
deserta 159
desertica 341
deserticola 56
desertorum 231
despecta 314
destructor 150
detritus 51
devonica 86
diadema 181, 224
diastema 291
dibranchius 115
dichaeta 313
dichromus 90
didyma 25
dieuzedei 216
difficilis 89
diffinis 104
difformis 236
digitata 244, 301
digitulus 178
dignota 252
digramma 358, 363
dilatata 60, 351
dilatatus 95, 234
dilaticornis 352
dilsi 189
dilutipes 229
dimidiatus 186
dimidiocera 294
dioscurea 265

- diplotaxis* 149
discoidea 193
discolor 165, 194
discoloripes 99
discrepans 343
discriminatus 220
disjecta 277
disjuncta 348
dispar 24, 200, 204, 253, 352
disparilis 230
dissecta 323
dissimilis 112, 324
distichus 231
distincta 206, 213, 241
distinctissimus 113
distinctus 241
distinguenda 172
distipilosus 185
dittmari 87
diuturna 21
diversa 39
diversipes 361
dives 160, 254
divisa 73, 265
djanetianus 255
dolycoridis 357
domestica 333
dorieri 88, 164, 216
dorsalis 153, 233, 256, 276
dorsata 276, 318
draperi 331
dreyfussi 37
dromedarina 320
dthali 48
dubius 72
dudai 232
duddingstoni 66
dufouri 221, 322
duinensis 291
duodecimseta 303
duplosetosa 315
durrenbergensis 317
dusmeti 186, 239
dux 347
dzhafarovi 66
dziedzickii 154
ebbae 71
ebenina 20
echinus 14, 50, 189
ecristatus 110
ectinocerella 169
edithae 217
edwardsi 81, 154
efflatouni 202, 203, 208
effusus 97
eggeri 173
egregium 133
ejuncidus 115
elapsus 178
elegans 205, 236, 243, 255
elegantulus 187
eligans 250
elongatula 290
eluta 263
emarginatus 111
eminulus 115
ephippium 82
eploceus 194
eques 241, 242
equestris 242
equina 300, 320
equinum 141, 142
equinum mediterraneum 141, 142
equitans 296
erectiseta 304
eremita 225
eremophila 188, 335
ericaescopariae 148
ericpoli 272
eristoloides 239
ermineus 180
errans 336
erratica 337
erynnis 201
erythrocephala 338
erythrophthalma 270
erythrurum 257
escalerae 176, 242, 247
escheri 202
eumera 217
europaea 360
eurynotus 89
euzonus 226
evanescens 179, 254
evecta 335
exagitans ssp. 1 94
exalbidus 176
exarticulatus 220
excerptus 94
excipiens 220
exoleta 336
exornata 153
exquisita 39
fabiola 31
fabri 120
fagesi 236
faghihi 69
fagineus 63
falcata 189
falcigera 75
fallaciosa 216
fallaciosa ssp. *litardierei* 216
fallax 37, 233
farinae 314
fasciata 152, 156, 177, 206, 273, 344
fasciatus 176
fasciculata 192
fasciculatus 186
fascigera 74
fascipenne 199
fascipennis 196, 207
fascipes 226
fatigans 159
faurei 120
febrilis 145
fedtshenkoi 294
femoralis 360
femorata 146
femoratus 145, 146, 243
femorellum 291
fenestralis 144, 158, 211
fenestrata 158, 200
fenestratus 205
fennicus 95
fera 361
ferox 346
ferruginata 301
ferruginatus 145

- ferrugineus* 242, 257
ferulae 283
festivipennis 66
filia 346
filiforme 316
filiola 263
filiolus 263
filipalpis 353
filipes 227
fimbriatus 117, 179, 194
fissum 226
fittkaui 87
flammeus 249
flava 308
flavella 298
flaveola 275, 308
flavescens 184, 256, 268, 269, 270
flavibarbum 193
flavibasis 324
flavicauda 305
flavicollis 41, 157
flavicornis 231, 270
flavifrons 79, 207
flavigenis 286
flavimana 161, 278
flavipalpis 223, 271, 273
flavipennis 322
flavipes 27, 106, 146, 167, 194, 224, 245, 312, 339
flavipila 158
flavissima 165
flavitaris 289, 312, 330
flaviventris 70, 244, 273
flavogrisea 324
flavoscutellata 70
flexidens 79
floccosa 328
floreana 190, 239
florum 285
foeda 155
foliacea 97
fontana 29
fontinalis 302
forcipata 189, 308
formosa 154, 164, 265
formosana 271
formosanus 115
formosus 176
fortis 179
fossarum 311
foveatus 96
fratella 310
freidbergi 207
frequens 105
freyi 42
frigidus 91
fringillina 320
frit 292
frontalis 261
frontata 235, 288
frontella 271, 280, 291
frontosa 280
fucata 302
fuldensis 87
fulgens 278
fuliginosa 195
fuliginosus 195
fulva 79, 153, 320
fulvescens 194
fulvifrons 289
fulvipes 145, 281
fulviventris 248
fulvofasciata 97
fulvus 171
fumigata 325
fumipennis 187
fumipennis 58, 246, 351
fumosa 312, 335
funeraria 168, 214, 307, 340
furcata 233
furcatus 79
fusca 146, 153, 156
fuscatus 144
fuscescens 26
fuscicornis 170, 268
fuscimanus 90, 103
fuscipennis 21, 192, 195, 212, 303
fuscipes 41, 90, 97, 182
fuscohalterata 20
fuscolimbata 282
fusconotatus 102
fuscus 80, 194
fusitibia 218
gaedii 24, 78, 191
gagates 182
galactoptera 314
galaptera 105
galii 352, 363
gallicus 96
galloprovinciale 139
gatti 297
gaudi 138
geijskesi 74
gel 303
gelasinus 89
gemina 40, 160
geniculata 42, 235, 361
geniculatus 50, 243
gentilis 338
genurufa 335
germanica 164
germanus 220
germari 344
gestroi 320
ghilianii 269
gibbus 109, 175
gigas 180
gilva 350, 352
gilvipes 156, 293
glabra 288, 290, 296, 306, 315
glabricollis 96
glabricula 229, 310, 328
glabrifrons 211, 300
glauc 312
glaucella 315
glaucellus 315
glaucescens 226
globicauda 189
globiformis 160
glyphinivora 271
gomezmenori 197
gonatistes 179
goniaeformis 354
goritiensis 25
goudoti 221
gougeleti 181
gozmanyi 274

- gracei* 87
gracilipes 122
gracilis 98, 187, 197
gradatus 197
graeca 214, 291
graecum 263
gramineus 219
graminicolor 106
graminum 309
granadica 39
grandicollis 180
grandis 170, 203, 354
grata 23, 188, 219, 227
gratus 188
gregarius 116
grimmii 112
gripekoveni 103
gripha 156
griseicolle 152
griseipennis 220, 269
griseiventris 245
griseola 271, 276, 317
griseolus 205
griscens 40, 275
griseus 188, 195
grossa 245
grossipes 286
guestfalica vaillanti 29
guimari 267
gummigutta 184
guttata 319
gymnostoma 283
habilis 89
haematodes 350, 351
haemorrhoidalis 183, 339
haemorrhous 249
haeretica 340
halophilus 63, 99
halophora 331
halterata 234, 345
halvorseni 89
hamata 26, 281, 283
hamaticornis 77
hamifera 201
hamilkar 196
haplopygus 180
hasei 341
hassani 168
hauseri 178, 185
haustellatus 168
hecate 311
heleni heleni 179
helianthemi 148
helianthi 263
helluo 357
helviscutellata 70
hemerobioides 161
hemiacantha 160
hemimelas 202
hemisia 341
hennigi 358, 363
hepaticoloris 317
heraclei 268
heratica 294, 295
herbarum 271
hercegovinae 27
heringi 247
hermes 32
hermonensis 249, 276
herpini 289
hespera 207
hestia 267
heteroclitus 67
heteroneura 303, 344
heteroneurus 185, 187
heteropilosus 196
heteropterus 198
hetrusca 202
heteropygus 227
heusdensis 116
hexachaeta 267
hiemalis 34, 280
hilaris 350
hirsuta 256
hirsutipes 23
hirticollis 90
hirticula 301
hirtimana 75
hirtipes 118, 348
hirtula 301
hirundinis 320
hispaniae 176
hispanica 28, 89, 184, 260, 277, 301
hispanicus 27, 259
hispanus 180, 205
hispidus 185
histrion 110
holosericea 359, 363
holosericeus 199
holoxanthos 227
holsata 95
homobifida 298
hordeacea 324
hordei 150
horni 115
hortensis 56
horticola 281
hortulanus 145
hortularum 145
hottentotta 206
hottentotus 206
huberi 322
huidobrensis 282
humeralis 40, 145, 155, 294, 327
humilis 9, 299, 329
humphriesiae 99
hungarica 287, 304
hungaricus 240
hurkmansi 243
hutsoni 21, 230
hyalipennis 157, 188
hybrida 23
hybridus 145
hydei 307
hygropetrica 25, 69
hygropetricus 89
hygropterica 78
hyoscyami 325
hyrcanus 192
ibalia 340
ibari 311
iberiana 158
iberica 32, 160, 349, 362
iberica iberica 32
iberica spinula 32
ibericus 22, 234, 242, 243
iberolutea 157
ibizana 284
ibleum 124

- icadion* 342
icenica 155
idia 260
ifranensis 217
ignava 328
ignorata 190
iliaca 350, 352
ilicis 147
ilkleyensis 87
illimbatus 80
imberbis 350, 352
imbrida 323
imicola 61
immaculata 28
immigrans 307
immoderata 282
impavida 342
impensus impensus 94
impudicus 57
inaequalis 188
inanis 246
incana 205
incanus 205
incisa 189, 281
incisuralis 286
incisus 189
inclinata 160
inclinatus 176
incompleta 268
inconspicua 352
inconstans 180, 271
incurva 310
indianus 309
indicus 309
indigena 345
indigenus 223
indistinctus 68
inermis 291
inermis 298, 316
inexpectata 42, 330
infantula 361
inflatus 176
infusata 200
infuscatus 221
innoxia 353
inopertus 113
insignipes 77
insignis 221
insons 152
intermedia 356
intermedium 133, 152, 250
intermedius 173
intermittens 280
interrupta 253, 288
interruptus 288
intestata 155
intestinalis 339
intonsa 245
intonsus 191, 207
inulaedyssentericae 262
iphippus 187
iphis 187
irmgardis 160
irregularis 28
irritans 334
irritus 94
ischyrus 187
isis 202
italica 170, 203, 310, 321
italicus 167, 243
ixion 206
jacchus 203
jacobsoni 347
jaculata 262
javita 346, 348
jeskei 159
jorlii 303
jubatus 184
jucunda 22
jugorum 216, 238
jugulum 182
jumineri 67
junceus 187
junci 112
juncorum 271
kabuli 303
kazeruni 36
kerzhneri 271
kettaniae 258
kibunensis 67
kingi 66
kiritshenkoi 202
knidirii 130
kocheri 187
kollari 322
kowarzi 331
kraatzi 76
krimensis 326
kuntzei 307
kurensis 67
kuthyi 235
laamii 118
labranchiae 44
lachesis 201
lacteibasis 295
lacteipennis 145, 212, 296, 314
lacustre 223
lacustris 43, 81, 112, 269, 313
laeta 74, 299
laetum 107
laetus 84, 227
laevatrispina 274
laevifrons 292
laevis 206, 230
lagura 304
lailae 68
lamachi 131
lambi 171
laminatum 106
lanceolatum 226
landauae 67
landrocki 28
langeroni 35, 67
langtoni 113
laniger 184
lanigerus 145
lapidosa 345
lappae 280
lapponicus 252
larachensis 219
larvarum 354
larvipara 333
lata 349
laterale 315
lateralis 20, 34, 201, 278, 281, 282, 358
lateritia 356, 363
laticincta 255
laticintus 52

- laticornis* 259
latifasciatus 251
latifrons 192, 245, 258, 345
latimucro 118, 119
latina 39
latinum 121, 123
latistriatus 171
latistyla 24
latitarsis 77
latiusculus 163
latizonum 122
latreillei 321
laufferi 145
laurae 70
lauta 266
lecerfi 174
leclercqi 276
leclercqiana 340
legeri 76
lehmanni 348
leleani 173
lemariei 344, 348
lembkei 158
lendli 104
lentiginosa 74
leo 31
leontodontis 265
leotoni 316
lepida 326
leucicoma 183
leucocephala 344
leucocephalus 182
leucocomus 183
leucopeza 284
leucophaetus 187
leucopterus 145
leucopygus 195
leucosticta 326
leucostoma 206, 310, 328
levantinus 82
levida 328
lewisi 36
lichtensteinii 148
licina 272
lignicola 93
limbata 165
limbatellus 95
limbatus 184, 289
limosina 317
lindbergi 239, 289
lindrothi 112
lineatum 339
lineola 24
liquida 246
litoralis 345
litorea 58, 331
litorella 330
littoralis 312
liturata 323
lobata 81
lobifera 87
loewi 189, 331
loewianus 172
longeciliata 218
longepilosa 295
longestylata 346
longiareolata 57
longicauda 231, 265, 268
longicollis 25
longicornis 165, 170, 236, 243, 351
longicuspis 36
longifurca 79
longimana 75
longipennis 64, 320
longirostris 163, 262, 286, 293, 359
longiseta 273
longistyla 71
longistylus 100, 261
longitarsis 179
longitarsus 192
longiventris 220
longula 246, 325
longulus 227
loripes 227
loustau 205
lucens 79
lucichaeta 158
lucida 239
lucidifrons 213
lucidus 202
lucorum 335, 352, 362
luculenta 207
lugubris 214, 302, 345, 353
lunata 32, 342
lunatus 174, 240
lundstromi 125
lunensis 42
luniger 251
lunulatus 240
lunulicornis 28
lurida 289
luridus 100
lusitanica 171
lusitanicum 303
lusitanicus 209
lutaria 337
lutea 21, 233
luteata 30
luteipes 91, 222
luteitarsis 280
luteola 147, 268
luteovillosa 340
lutosa 313
lutosoidea 304
lyneborgi 202, 231
macellaria 312
macquardti 239
macquarti 191
macrocerum 226
macroglossus 196
macrostigma 27
macrura 262
macularis 213, 360
maculata 22, 60, 309, 318, 320, 334, 346
maculatus 168
maculicornis 174
maculifrons 302
maculigera 255
maculipennis 73, 109, 197, 355, 363
maculiventris 163, 317
maculosa 356
madeirae 89
madicola 216
mageritensis 353
maghrebeensis 190
maghrebi 199
magius 227

- magnicornis* 362
magnifica 345
mahunkai 284
major 18, 149, 189, 194, 279, 284
majoranae 249
majuscula 26, 98
mancus 110
manicata 316
manicatus 186, 248
mantispa 316
marcelleclercqi 348
marci 145
marcidus 88
marcleti 64
margaritae 207
margaritatus 309
marginale 254
marginata 154, 168, 211, 265
marginatis 301
marginella 343
mariae 36, 50, 287
marina 331
maritima 271, 310, 324
maritimae 223
maritimus 67
marmorea 268
marocana 34, 39
marocanum 140
maroccana 24, 39, 42, 74, 166, 176, 191, 200, 210, 215, 218, 244, 246, 288, 300, 332, 337, 341, 344, 346, 352, 356, 361
maroccanum 183, 288
maroccanus 117, 168, 175, 180, 182, 188, 192, 196, 199, 200, 205, 210, 221, 222, 243
maroccoensis 161
marokkana 245
marokkanus 248
marshalli 347
marteri 46
martii 264
martinii 57, 61
mascariensis 338
matricariae 266
maura 164, 317, 320, 345
mauretanica 73
mauritanica 262, 314
mauritanicus 167, 180, 196
mauritanus 168, 194
maxima 30
maynei 38
mecogramma 252
media 224, 354, 363
meditabunda 335
mediterranea 33, 158, 277, 312, 330, 336
mediterraneus 113
medius 116, 194
megacephala 270
megacephalus 194, 208, 237
megalatlantica 144, 215
megalopsis 280
megaspis 291
megerlei 204
meijerei 285
melaleuca 331
melaleucus 81, 186
melandryi 280
melania 304
melanocephala 343
melanocephalum 193
melanogaster 307
melanoleuca 288
melanops 72
melanura 75, 346
melitense 297
mellah 122
melleus 211
mellinum 247
melota 240
melotus 240
membranacea 155
mendax 116
mendizabali 299
meneghinii 311
menthastri 253
mera 61
mercatorum 307
merceti 210
merdaria 337
meridionale 260
meridionalis 97, 249, 311, 334
merlei 191, 199
mesnili 358
metallica 320
meyeri 350
mgounica 216
micacea 224
micans 84, 168, 212
micracantha 178
microcera 165
microchaeta 309, 331
micropyga 180
microstoma 353
mihalyii 298
miki 174
mikianum 106
mikii 228, 329
milii 281
mimeticus 52
mimeuri 306
minima 20, 235, 346
minimus 89
minor 87, 194, 232, 257, 279, 320
minos 203
minusculus 180, 226
minuta 37, 191
minutissima 293
minutissimus 69, 70
minutus 37, 243
mirabilis 284, 302
mirandus 224
mitis 25, 222
mittrei 196
mixta 329
mixticia 332
mixtus 197
m-nigrum 295
modesta 26, 39, 79, 304, 314, 317, 331, 359
modestus 52, 102
moerens 350, 362
mohrigi 146

- molliculoides* 225
monilis 71, 228, 326
montanus 62
monticolus 243
monticula 288
monticulum 288
morenae 161, 221, 254
morio 26, 78, 202, 205
morionella 281
moroccensis 230
mosulensis 65
mucronifera 351
multicolor 48
multifasciata 261
multifasciatus 261
mundum 248, 256
muricata 273
murina 23, 153, 344
murorum 243
murrayi 73
mus 194
muscicola 80, 113
mutabilis 245
mutata 235
mutilus 205, 208
nana 161, 276, 280, 310, 331
napi 148
nartshukiana 293
nasalis 339
nasica 286
nasturtii 148, 318
nasuta 289
natalensis 89
navasi 151
nebulosa 61, 71
nebulosus 205
neglectus 101
negrobovi 227
nemorale 24
nemoralis 174
nemorum 74, 359, 364
nervosus 102
nevadensis 329, 336
newsteadi 63
nidorum 80
niger 93, 211
nigra 42, 215, 255, 302, 335
nigrescens 292, 328
nigricans 75, 318, 325
nigricauda 113, 266, 297
nigricornis 258
nigrifacies 171
nigrifrons 163, 193
nigrimana 260
nigrina 359
nigrinus 163
nigripenne 313
nigripennis 175, 313
nigripes 165, 271, 297, 342, 349
nigrispina 158
nigrita 256, 349
nigritarsis 231, 269, 312, 325
nigritella 310
nigritellus 230
nigritula 70
nigritus 170
nigriventris 145, 175, 289, 347
nigrocaerulea 221
nigrociliata 280
nigrofasciata 354
nigrohalteralis 106
nigrosetosa 229
nigrosetosus 180
nigrovillosus 177
nigrum 295, 297
nikita 217
nilicola 187, 222
nilotica 301, 311
ninae 89
niphobleta 207
nitida 319
nitidifrons 133
nitidigenis 293
nitidissima 293
nitidiventris 155, 359
nitidula 278, 311
nitidulus ssp. *nitidulus* 192
nitidum 297
nivalis 331
niveipennis 279, 301, 314
niveus 194
nivosa 78
noctivagus 76, 99
nomadorum 204
northumbrica 74
norvegica 326
notata 42, 290, 299
notatus 102, 222
notescens 112
notha 182
nova 118, 136, 354
novakii 189, 293
novemguttata 215
novemmaculata 26
novercoides 346, 348
nuba 251, 345
nubecula 312
nubeculipennis 255
nubeculosa 27
nubeculosum 107
nubens 105
nubifer 107
nubila 39, 75
nubilus 186
nudipennis 94
nudisquama 106
nuditarsis 100
nudiuscula 315
nudum 198, 208, 230
nudus 240
numidica 39, 61, 360, 364
numidus 194
nuragica 122
oasis 268, 283, 356
obesa 358
oblidens 92
obliquata 354
obliquus 240
obliterata 276
oblongus 198
obreptans 101
obscura 26, 200, 318
obs curella 314
obs curellum 221
obs curellus 221
obscuripennis 182, 201, 274, 306
obscuripes 90, 231, 311

- obscuriventris* 31
obscurus 22, 243
obsidianum 358
obsignata 330
obsoleta 313
obsoletus 62
obtusa 96
obtusiapex 22
obumbratus 92
obvia 346
obvius 95
oceanus 223
ocellata 215
ocelligera 171
ochracea 164, 287
ochripes 302
ochriventris 180
ochrostoma 250
oculata 215
odiatus 68
odibilis 66
odontophallus 185
oestracea 344
olcesci 181
oleae 261
oleisuga 151
oleracea 33
olfaciens 352
olivacea 79
olympiae 330
ontario-group sp. 1 109
oosterbroeki 272
opulenta 151
orbicula 175
orbona 282
orbonella 282
ordinata 315
origani 147
orizae 291, 295
ornata 73, 188, 317, 355
ornaticollis 88
ornatifrons 294
ornatum 133, 134, 135, 254
ornatus 84, 183, 240
orobanchia 283
oscillans 269
oscinina 292
osellai 85
osiris 179, 333
ostiorum 231
ouedorum 216
ovedorum 216
ovinus 321
ovis 339
oxoniana 88
oxyphora 299, 300
pabulorum 328
pachycera 290
pachycerus 231
palettaris 116
pallasii 199
pallens 103, 268
palliceps 257
pallida 175, 272, 299, 309, 319
pallidibasis 326
pallidicornis 69, 102, 116
pallidipes 83
pallidiventris 167, 231, 305
pallidula 72, 112
pallidus 64, 111, 175
pallifrons 204
pallipes 224, 228, 287
pallirostris 27
paludosa 43, 82, 279
paludum 313
palumbii 272
pandellei 330, 346
pandora 203
panteli 150
pantherina 162
pantherinus 163
paolae 68
papatasi 36
pappi 35
paradoxa 169
parahastatum 291, 295
parallela 274, 353
parallelus 211
paralobi 246
parappendiculatus 185
parascripa 189
parcepilosa 160, 336
pardalina 164
parilis 105
parra 351
parroti 37, 64
parva 246, 327
parvostylia 146
parvulum 221
parvulus 90
pastoris 78
pauli 192, 194
pauliani 26
paveli 38
pavida 355
pavonica 215
Pe 1 93, 94, 101, 118
Pe 1a 89
Pe 2 81, 88
Pe 2a 98
Pe 2b 98
Pe 3 96, 114
Pe 5 101, 111, 117
Pe 14 117
Pe 23 117
pecchiolii 249
pecorum 339
pectinatum 226
pectinipes 332
pectoralis 158
pedella 329
pedellus 105
pedestre 107
pedestris 92, 282, 300
pedicularia 321
pedissequum 254
pedunculata 184
pedunculatus 184
pelio stigma pelio stigma 32
pellea 210
pellucens 171, 328
pellucida 257
pellucidus 113
penicillata 332, 347
pennatus 219
pennipes 358
pentaplastus 89
pentapoda 114
pentatoma 118
pepo 176

- perennis* 81
perexiguus 53
perexilis 61
perfiliewi 36
periclymeni 148
peringueyanus 102
perniciosus 36
perniveus 196
pernix 348
perpallida 154
perplexus 180
perpusilla 159
persica 332
persignata 265
perspicillaris 167, 206
perspicillaris ssp. *perspicillaris* 206
pertinax 238
petrei 285
petricolum 122
petrophila 219, 224
petrophiloides 224
phalerata 307, 361
pharao 107
pharaonis 347
phillyreae 147, 283
philocalus 182
philonis 236
photophilus 114
phragmitidis 27
physadia 211
physadius 211
picta 257, 301, 319, 349
pictipennis 68, 287
pictipes 286
pictula 154
pictulus 109
picturatus 69
pieltaini 177
piger 81, 100
pilibasis 350
pilimana 316
pilipes 23, 180, 274, 324, 356
pilipyga 324
pilitarsis 344
pilitibia 228
pilosa 212, 288
pilosimanus 102
pilosus 180, 212
pilularia 39
pipiens 53, 245
pirivora 148
pjotri 32
placida 158
planipalpis 324
planitarsis 222
platura 324
platypus 95
plebeja 214
plicatrix 148
plumicornis 273
plumosa 315
plumosula 303
plumosus 100
pluriseta 344
pluvialis 171, 323
podagrica 236
polita 311
pollinifrons 330
pollinosa 319
polyodon 344
polyphemus 206
polystigma 271, 335
pomona 145
ponti 340
porcus 187
postglobiformis 160
postica 266
posticata 319
posticus 194
postversicolor 195
powelli 169, 214
praeceps 360, 362, 364
praecox 223, 266
praelusia 183
praeparvula 160
praetexta 329
praetextatus 220
prasinus sensu 100
pratensis 354, 363
pratorum 97, 238, 290
prima 287
prionophallus 185
proboscidea 280
proboscideus 163
procellaris 323
procerus 114
producta 264
prolapsa 328
promissa 158
propinqua 40
propinquans 297
propinquus 23
protuberans 348
proximum 297
pruina 108
pruinosa 306
pruni 243
pseudequinum 141
pseudexquisita 39
pseudirritus 94
pseudocinerascens 32
pseudococci 148
pseudocretenensis 153
pseudoexiguus 231
pseudogonatistes 180
pseudohirta 229
pseudoleucoptera 304
pseudolusitanica 171
pseudomontana 87
pseudopallidus 68
pseudounguiculata 231
pseudounguiculatus 231
psittacinus 101
pteremoides 303
ptilostemi 268
pubera 312
puberula 61
pubescens 292, 318
pulchella 164, 315
pulchellus 172, 198, 240
pulcherrimus 249
pulchra 38, 266, 272, 274
pulchripennis 22
pulchripes 83
pulchritarsis 51
pulcripalpis 59
pulicaris 63
pulicarius 227
pulla 327
pullata 355

- pullula* 323
pullum 108
pullus 166
pumila 329
pumilio 89, 197
pumilionis 287, 289
pumilus 69, 195, 228, 241, 244
punctatus 63, 144, 145, 193
puncticollis 64
punctifer 167, 251
punctifera 225
punctiferus 188
punctifrons 240, 294
punctigera 22
punctipennis 76, 89, 197, 198
punctulata 76, 277, 341
punctum 278
punica 147
purpureus 339
pusilla 103, 189, 255, 257, 282, 293, 305, 358
pusillum 128
pusillus 175, 186, 240
pusio 188, 302
pustulata 32
pygmaea 281, 317, 332, 345
pygmalion 157, 204
pyrastris 252
pyrivora 148
pyrrhophaeus 185
quadrata 313
quadrifarius 172
quadrifasciatus 249
quadrifila 142
quadrifilatum 221
quadriguttatum 108
quadrinotatum 297
quadrinotatus 186
quadripectinatum 316
quadripunctata 311, 327
quadrum 336
quaesita 304
quatuornotatus 174
quedenfeldti 198, 208
quinquelineatus 237
quinquemaculata 312, 323
rachiliense 120
raclinae 169, 233
radicum 324
ramulosa 264
ramulosus 264
ranula 286
ranunculi 283, 318
raphanistri 149
raptor luteipes 222
rara 164
ravus 64
reaumurii 151
recta 88
rectinervis 90
recurvatus 116
reflexa 158
regelationis 35
reghayana 40
regularis 158
reissi 110, 114
relictus 167
rendina 354, 363
repanda 354
repentina 30
repleta 307
reticulatus 145
reversio 336
rharbia 318
rhenanus 114
ribesii 254
richardi 336
richiardii 59
rifensis 31, 97, 228
rifincola 144
rigida 332
ringei 114
riojaensis 231
riouxi 36
riparia 60, 318, 330
riparius 100
ripicola 316
rivicola 91
rivularis 204
rivulorum 91
robusta 298
rocina 32
rodgersi 246
roghii 224
rohaceki 302
rondensis 280
roralis 342
rorida 273
rosae 148
rosarum 148
rosenschoeldi 110
rossica 346
rossicus 196
rostellata 265
rostratus 101
rotundatum 357
rozkosnyi 162, 281
ruandae 106
rubi 149
rubicunda 183
rubicundus 92
rubida 313
rubinipes 181
rubricosa 343
rubrifrons 355
rubriventris 185
rubrostriata 307
rubzovianum 123
rudis 340
rueppelli 253
rufa 182, 233, 237, 244
rufescens 35, 159, 291
ruffoi 93
ruficauda 181
ruficeps 294
ruficorne 124, 125
ruficornis 177, 255, 292, 294, 361, 364
ruficrura 340
rufifrons 291, 295, 302, 309, 356
rufimana 330
rufina 33, 325
rufina rufina 33
rufinasutus 251
rufipalpis 336
rufipes 118, 120, 177, 182, 228, 246, 255, 288, 293, 313, 319
rufitarsis 301

- rufithorax* 292, 310
rufiventris 85, 298, 300, 360
rufomaculata 350, 362
rufum 297
rufus 244
ruginosa 158
rungsi 183, 200, 209, 213, 340, 353, 357
ruralis 351
ruricola 350
rustica 152, 199
rusticus 51
rutila 203
rutilans 310, 344
ruttneri 88
sabaea 201
sabinus 220
sabulona 290
sabulonum 240
sabulosum 223
saccata 160
saevus 65
sagittalis 76
sahariensis 65
salicorniae 147, 149
salinarius 100
saltator 35
saltuum 332
santonicus 65
santorina 158
sarda 291
sardiniensis 35
sareptana 183
sativae 161
saudensis 206, 209
saxicola 92
scabricornis 158
scalaenum 108
scalare 248
scalaris 326, 332
scapularum 290
scatopsiformis 156
schachti 218, 236
schembrii 316
schineri 188
schlueteri 269
schmideggeri 240
schmidli 321
schmidtlii 321
schrinkelae 112
schultzei 66
schwetzi 37
scoticus 62
scripta 253
scrobiculata 291
scrophulariae 147, 282
scutata 288
scutellaris 43, 191, 301
scutellata 81, 246, 336
scutellatus 202
scutopilosus 220
secalina 280
securigera 216
securis 325
segetum 244
segnis 245
segregata 354
sejfadinei 66
selenaria 32
selenitica 253
seleniticus 253
semiargentea 199
semifumosus 255
semifuscus 195
semimaculatus 65
seminationis 260
semipedestris 160
semivirens 97
senex 196
senilis 185
separabilis 115
separata 353
separatus 197, 219
sepia 325
sepium 25
septemmaculatus 102
sepulchralis 238
sepuleralis 238
serena 334
serenus 289
sergenti 36, 65, 142
sergentii 49
sericata 26, 338
sericoma 152
serotina 61
serratosioi 88
serratula 268
serratulae 268
serrulatus 244
setibarba 359
setifacies 353, 360
setiger 230
setosa 322
setosus 198, 207, 234, 244
sexmaculata 336
sexpunctata 22
sexspinus 184
shaklawensis 68
shelkovnikovi 192
sibilans 313
sicana 303
sicanus 181
sicula 21, 265
siculus 145
signata 336, 343
signatipennis 37
signatus 117
signifer 220
signifera 210
silacea 325
silvatica 302
similis 65, 83, 87, 164, 238, 299
simillima 156
simonyi 191
simplex 266, 316, 328, 332
simplicissimus 227
simpsoni 55
simulans 308
simulator 68
sinaica 350
singularis 204, 211
sirouana 144
skirwithensis 85
smaragdi 259
smaragdina 270
soccata 327
sociella 327
sola 357
solennis 325
solodovnikovi 225

- solstitialis* 262
somogyii 301
sonchi 263, 282
sophron 244
sorbens 333
sordens 106
sordida 154, 301
sordidella 291
sordidellus 95
soror 246, 276, 297, 348, 359, 364
sororcula 22, 264
sp. 41, 42, 73, 93, 109, 110, 115, 118, 120, 136, 212, 215, 234, 235, 259, 271, 287, 296, 298, 300, 316, 337, 348
sp. 1 41, 42, 109, 212
sp. 2 41, 42, 212
sp A 93, 103
spatenkai 185
spathulatus 221
sp B 103
sp. d 93
spec. Greichenland 73
speciosa 296
spectabilis 154, 172
spenceri 280
sphegea 277
sphenoptera 229
sphondylii 278
spicata 242, 283
spicatus 242
spiciceps 160
spiloptera 214
spinata 143
spinipes 242, 277
spinosa 14, 260, 283
spinulosa 214
spissipes 185
splendens 162, 236
splendidus 166
sp. nov. 110, 115, 215
sp. Ourika 73
spp. 288
spuria 229
stabulans 328
stackelbergi 64
stagnalis 314
stagnicola 318
staryi 20
steinboeckii 77
stellata 267
stercoraria 337
stercorarius 80
stichospila 276
stictica 193, 266
sticticus 110
stigi 340
stigma 257
stigmatica 214
stimulosa 32
stipidaria 160
stramineus 192
striata 274, 348
striatus 106, 177, 185
strigata 214
strigatoides 154
strigatus 241, 249
strigipes 220
strobli 292
strobliana 287
stupida 204
stylatus 94, 262
stylicornis 197
styliforceps 153
styriaca 217
suavis 219
subalbiceps 318
subanalis 30
subapicalis 217
subarmata 161
subcavipes 160
subcoleoptrata 358
subcylindrica 171
suberis 217
subfagineus 64
subfalcata 32
subfasciipennis 69
subflavofemoratus 192
subguttata 313
sublunaticornis 172
submaculata 61
submaculosa 30
subnubilus 230
subobscura 308
subochrea 59
subornatus 241
subparvula 160
subpunctata 319
subpustulata 32
subravus 64
subrufescens 158
subsantorina 158
subsessilis 237
subsultans 315
subtenella 21
subuliginosus 163
subventa 336
subvernalis 80
subviatica 160
subvittata 273
succinea 267
sudeticus 174
suillorum 273
sulcicollis 294
sulcifrons 290
sullingtonensis 30
suplicans 101
surcoufi 30, 169
suzukii 308
sylvarum 65
sylvestris 84
symplectoidea 23
symplectoides 21
syngenesiae 260, 282
szelenyii 337
sziladyi 22
tabaniformis 343
tabaninus-arabicola 206, 209
tabidiventrus 274
taeniata 253
taeniolata 189
taeniops 238
taffertensis 217
talboti 197
tamaricum 150
tangerensis 244, 346
tangeriana 232, 269
tangerinus 205

- tarsata* 259
tassilaensis 182
tauscheri 177
tazzekai 33
temaranus 222
tempestatum 323
tempestaiva 333
temula 360
tenax 238
tendens 102
tendipediformis 103
tenebricosa 38, 70
tenebricosus 38
tenella 22, 216
tenellula 113
tenellulus 113
tenellus 228
tener 104, 198
tentaculata 332
tentans 101
tenuicornis 164, 170
tenuicosta 313
tenuipes 218
tenuis 113, 155, 217
teretirostris 347
terminalis 326
terminata 164
tessellata 264
tessellum 360
testacea 257, 325, 329
testaceifrons 344
testaceus 23
tetracrenatum 108
tetraptera 358
teutankhameni 212
thalhammeri 288
thapsiae 149
thapsiana 247
theileri 55
theodori 221
theryi 255, 266
thienemanni 38, 70, 77, 91
thomae 161
thomasseti 284
thoracica 278
thummi 100
thuriferae 149
thymicola 147
thyridophora 200
tibialis 249, 263, 347, 361
tifedarius 255
tigrigrana 217
tigrina 329, 330
tilicola 159
tinctus 174
tingitanus 178
tipularia 337
tirolensis 87
tirolus 97
titillator 339
todrhana 217
tomentosa 160, 188
tomentosus 170
tomosvaryi 118, 120
tonitrui 335
tonsa 77
torquatus 195
torrentium 164
toubkal 129
toubkalana 247
toubkalensis 40
toxicodendri 146
transitata 159
transmarina 21
transversa 272
tredecimatum 122
tremulus 83
trepida 350, 362
triangularis 118, 287
triannulatus 83
trichotibialis 235
tricincta 244
tricinctus 84, 244
tridens 108, 322
tridentatus 146
trifaria 200, 277
trifarius 178
trifascia 83
trifasciata 202, 250
trifasciatum 135
trifasciatus 202
trifascipennis 71
trifolii 282
trigonus 179
trilineata 164
trilobata 96
trimaculata 336
trina 345
trinacriae 151
trinotatum 202
triplaca 352
tripunctata 285
tripunctatum 203
triseta 354
trisetum 297
tresignatus 192
tristis 234, 265
trivittata 159
trivittatus 239
trotteriana 261
truncatus 241
truncorum 65, 224
tsacasi 166
tschirnhausi 298
tsigana 307
tuberculata 214, 328
tuberculatus 80
tuberculosum 272
tuberiperda 299
tuberosa 347
tuguriorum 336
tumida 157
tunisiae 162
tuomikoskii 153
turdi 320
turficola 70
turgidus 231
tyrrhenica 155
tysiphone 201
uliginosa 336
uliginosus 163
ulrichi 225
umbratica 335
umbripennis 191
uncicurva 347
uncinatum 107
undatus 195
undulata 232
unedo 283
unguicornis 244
unguiculata 60

- ungulata* 330
unicolor 155, 215, 241
unicornis 314
uniformata 40
unipunctata 277, 306
uniseta 304
univittatus 68
unizona 274
ursina 342
ursinus 90
urticae 269
ustulata 38, 259, 275
vacua 355, 363
vagabunda 341
vagans 159, 191, 195, 302, 324
vaillanti 29, 34, 77, 92
valerii 150
valescurensis 94
valgus 247
valida 155, 337
validus 198
vandergooti 249
vanderwulpi 111
vaporariorum 305
varia 327
variabilis 246
varians 88
variata 361
varicolor 323
varicornis 304
variegata 289, 299, 309, 320
variegatum 136, 137
variegatus 168, 198
variofasciata 262
variofasciatus 262
varipalpis 295
varipes 145
varius 71, 202
varvara 224
vaulogeri 257
veletensis 78
velutina 328
velutinifrons 213
velutinum 123, 124
velutinus 205
venator 222
venosus 195
ventralis 26, 163
ventricosi 293
ventricosus 95
ventriosa 151
venturii 358
venusta 207
verbasci 147, 280
verbekei 277
vermileo 175
vernum 126, 130
verralli 99, 117, 152
versicolor 190, 195, 239
versutus 224
vertebralis 193
verticalis 285
vespertina 266, 335
vespiformis 237
vestita 190, 359, 364
veterinus 339
vexans 50
vexata 321
viator 72
vicina 338, 352
vidourensis 68
viduata 239
viduatus 167
vierriensis 84
villeneuveana 346
villiersi 276
villosus 145, 170
vimmeri 280
vindicata 293
violacea 279
virens 223, 268
virescens 101
virginea 326
virgo 202
viridescens 334
viridicyanea 338
viridis 103, 222, 223, 341, 359
vitai 183
vitellinus 81
vitripennis 156, 161, 219, 254, 300, 302, 333
vitta 155
vittata 98, 159, 172, 256
vittipes 155
vituli 168
vivida 161, 334
vockerothi 231, 336
volaticum 250
volgensis 117
vomitoria 338
vulcani 155
vulgaris 145, 353
vulneratus 101
vultur 184
wadensis 201, 208
wahisi 179
wahlgreni 283
waltlii 184
weissi 342
wernerii 187
widanensis 217
willistoni 155
winthemi 326
wuelkeri 93
xanthinum 138
xenolabis 110
xenoreflexa 159
yahavensis 342
yahiae 109
yaromi 287
yorki 327
zarcana 217
zavreli 78
zayensis 303
zelleri 228, 276
zernyana 342
zernyi 78, 112, 277, 298
zetterstedti 216
ziemanni 47
zizense 297
zonaria 247
zonatus 175